# COMMODORE



MACHINE CODE ■ 25 C64 GAMES TO BE WON



\* Gunship

\* Data Statements • Games Reviews



## \* Byting Into The 6519 \* Platform Panio

\* Image System \* Sport Special

· Granbix Pox Guide To Graphics

\* Spanner In The Works

\* Software For Sale · LQ. Back Page

\* Lower Case Graphics \*Plus/4 and C16 Character · Sprite Editor

· Cestit



IN A SERIES FROM MICROVALUE



## MICRO

ALSO AVAILABLE IN IR SPECTRUM, AMOTE AN ELECTION, ATAKL VIC 26, COPPLUS 1:

TITLES WILL VARY LITWERN FORMATS
MICHOVALUE - ADDISON INDUSTRIAL ESTATE,
BLAVION, TIME & WEAR NESS OF TELL (09) 414 46

# DATA STATEMENTS



States Due has a new Mary Burn

The Power Heavy 5 Knox Yant

# DATA







TOUR COMMODORS may 1997

Microst 800 S Bookel Still Landon

CRX, has launched pullf was the

lectives and Bestroyers

Street of Lane Arm Course



# Gunship





# WE BE AHE WEW



but was the in Yould on sight pagasher a pring was and in more in pasted to as wire implies auxiliations of might to be to trade to be to the best trade to be to the best trade to be to the best trade to be to be to the best trade to be to

gives this well done you book again to be at a samenone

of

Tourships

The County Supplier Manageur 2 Marker 21

The County Supplier Manageur 2 Marker 21

# 

\* (THE COMMODORE MOUSE) \*

ANDS MOUSE WITH CHEEK COMMODORE AND CASSETTE AND CHEEK COMMODORE COMMODORE MOUSE COMMODORE AND CASSET CASSET

CHEESE on disc - 28.50
mobilities were and load of pictures with last as slow load.

ATIST EM MOUSE
OF JOTTICK
TO IN the sour authorities
provide pattern remains to a
power of pattern remains to a
COMMERC IN

The second section of the second seco

DESK TOP MICHAEL OF JOYATHIN OF S SCANI TRACKING AND STANDARD OF S



TELETEXT Awarded

Finding stoph states without the same party in motify whether in it is also as the same party in motify whether is in it is also as the same party in the same is also as the same party in the

MICROTEX

# Could This Be You?









his distribution of which the EET Mont and Elevations — with the Control of Elevations — with the Control of th

Official Confidence I Maries

We than 1 the region of major informer-planned for 2007 for looking the new garden if y fully Wasper on Figure 1, the confidence of the confiden





And the second s

REPLY COUPON FOR FREE BOOKLET "SUCCESS IN SOFTWA

No. No. of the set had been set to be in the part of the set of the interference to the set to t

Managing V | Managing V | Managing Mana

STATEMENT DESCRIPTIONS
SOFTWARM DESCRIPTIONS
SERVICE STATEMENT DESCRIPTIONS
SERVICE STATEMENT



# Byting into the 6510

Wast to overcome the limitations of Bane? Speed things up on your C64/128? This first article in a series is your entry into the world of machine code programming the world of machine code programming.

Here you ever wondered, how some programs are title to one proplem with the speed of fileanismum White, dy not ry over hand so bethereobsome graphics, if failed again the strains to claim, let above, towards again the property to do the politics of the press. That is decised you see attampting to do the politics.

service to claim, let alone, on your consideration to be promised as the construction of the construction

Base attraction operately Even a single Base command the "FORE" hades a sociate in BLIM which is an long to your arm. And it has to do all the scory does a comer up against the FORE" command as d is devir hard of "FORE" before No wooder. Dat Base is steel.

can har he ROM and RAM chops the keyboard, are paraphratal of \$100 days and \$100 days

The Hard Way

deffault for the navice to use reachest code, a code engintly of 'outsidem', a majorprocessor clop, who program all on move. Accordance in assertance in a second term of accordance for an infalled have been asserted to profess the accordance for a second term of a second term

Coarrey to pepulse belief mechan code programment ton in hunten bough So they use compromes between those draudic boring numbers and the long, drawn out traymount used as a high-less

the "smenkly inquige"

lor 'LOA", 'STA", 'BRK" which

Listing 3

Input - Processing - Garpet called "region", and the management

All the 6310 that does one by

Entering the 6510

GIA NG

Outputting a Byte

The Program Counter

encrepassessor is working at any contains 6th or 65535 locazons. the

This is what happens, when the First, the steet fermion of the

register - another one of those some

There are two supported morals to the

And if you explort to sell the cereally reache be, so coppleg the

## Pieudo-Instructions

oddress (47057) where we magt our "Office" (shart for "ongo") is not

After we have severabled our

completely at your mores! It's you and

Bur, bewere Machine code also

This is what the lost two of our

Lating 2 is an assumbler heavy of

# Games Reviews



hand you a do supply failed by the Market of the looker to be a supply of the supply failed by the supply failed b

each game, but a recept that that assemble in most listed.

The formation is had by the war open open when the most and the had taken to be a more than the had taken to be a subject to the had taken the set with hard to be a men to play about the hand to be a most to be a men to be

The oaks fining that remains our actified on remainber to desire the ball in it in waters (created it van lad in do thin at lall flat our core) actor repair embarrouscy). If was made past one barrows at the ball embarrouscy. If was made past one with any stank to the left of each or can at a bell embarrouscy to my stank to the left of each or can at a the bell go of its root poing could water which it is the left go of its root poing could water which it is the left go.

more move and go on to the man, nodes pure of When it has found on our grap provisional with on a When it has found of the Arthur of State of the Control of the State of the State

seed in the defeated where much while tryces as server as the project and.

I want togo float inserver in the cach that all other games in that which the player careful or at least a large of greater pools are about the player careful or at least a large of greater pools are about to the law good sections which are not the project on a district or a forest country and a consideration of the cache of the c

Patter Politice Sparies Supplier Advance 17 Supplie 77 Harter June CASS To Feb (1774) 247-247 Machine Co Ontomathy 1/20 Graphice S/20 Physiology 1/20 Suice 17(1)

A ...

A build up of Oceans groups has assumeder a tengrapera. It fruits on if ther and human a country ofference is the mo-

handquarters in deprevation and describe which is neglected for control forms and make it may be a more in the describe them on the prevention forms and the second forms and the second forms a page to the more partially when undergone for more in other page to the more partially when undergone con-section for the page to the more and the page to the more and the more and the them are not the page to the more and more controlled and the more and the page to the more and the more and

Are may be conduct propositionated with the state of the best page. Are many before the best page, Are memorities of the best page. Are memorities of the best page, and the proposition and there are also not in the conduction of the proposition of the proposit

de Silver De Constitution de C

and halving an game plan slightly. Such the advent of a most is not format and freedom should be well placed with the first of the firs

Share Share Collect Part - Hale searcher Shake Share S

The broads are manufacted for their pureof, this they had foliop of it in their gover. Before, Marc While, had foliop of it in their gover. Before, Marc While the state of the state of possible to the state of done behind also to the state of the state

tigg which low word profited from managing, in groups of our and worker who are all out following to consist of the profit of th

and it not going to brook the hank at \$1.99. Ga Franklin. Table Chesis Ches. Machine Cell. Supplier Inc. Table Chesis Ches. Machine Cell. Supplier Inc. Organistic. Vin Graphics. 4/39 Nipubrity. 7/30 9 at or Liverithe Development and independent planes in the context of Distriction in Consensors (America) resolutions in the participant the sides is work until and discipant views to considering one would be plane. Although you would be Although you wan made Heigh commails perform or the action of models a control of metals to pay an include and size control winn. Then you lest all respects for who control in your relation more in legislations for the control in your relation more in legislations are to find supplication, as well as the following distance on the proceedings.

harbuggers may be unded if the fillend and cells nessed or histor from price result have an divdebter the freed which it in their nesses canaming the injustification to take the long and finders wrong and short throwing lampine about. The properties of the control of three recognises from the control of the control of the control of freed to the control of the control of freed to the control of the left short of the control of the control of the left short of the control of the control of the left short of the control of the control of the left short of the control of the left short of the control of the control of the control of the left short of the control of the left short of the

in a re- son per usually propose it lend to perform a propose of the varied for introducing running and a series of the performance of the series of the ser

| Finsion | The Peel Machine Chi Supplier Archively & Tide Till Be Oral Machine Chi Supplier Archively & Time her Circus Curchis London BC VI SIN Tel 51 (A) | A11 | Originally SI D Couplier VI Compiler VI Fried A11 | A12



KRANOUT Thomas in

ten recreiting clo

DISCROSS NAV 1847

REVIEWS

is normal allowing south change in left or right Nazad affect the speak and entire state. There is not in ore of a revolver for surroun and them is a decision of the service of a revolver fill the symptet.

The surrounding the surrounding from it is not to be a normal right of any surrounding from it is not a surrounding to a notificially and additional than would give it is not to the surrounding the surrounding to the surrounding the surrounding to the surrounding the surrounding that the surrounding the surrounding that the surrounding the surrounding that the surrounding the surrounding

Teinklain Teir krechter Macklas, Chi Suppler Greiche Graphe Aplia Have - 20 Carrier St. Shiptaji 2-37 473. Originaltri. 6/19 Gospila a 2/38 Populatri. 5/10 Fals 4/10



MUTANTS

A cost of the few recipies is a group of dissenters or a
most fly over step the Kuttonic Warren and discounting

grands to grands configurate soil get much to a so that will be a win will in the correct again point back on the way, sope been, to fit in it that the configuration of the configuration of the configuration of the configuration of the day again which be it would be to be or with the configuration of the configuration of the configuration of produces with the configuration of the configuration of the configuration of produces with the configuration of the configuration of the configuration of produces with the configuration of the co

Visit State of Albertain of State of the State of State o

HAN

forgo from 26, the date, severag spaces games, as the control of the control



Title Leveriers Supplier Emploit-Solvenere I North Paragin Organity 1/15 Physikletr 1/10 Grapher 10/10 Falor

🕯 n ancora fruit brangs you. Learin, into a magazigael to

Eale Frai Supples Enthing (Hammoney 8 to Pass

Originalm: 5/30 Physiology 7/35 Graphics 1/35 Falso VOER COMMUNICATION THAT THE



### TERROR OF THE DEEP

Dup as 2 och Ness laths a despir (see Nessia) Strange outstand interferen he enter streggle and urranse the feeds of the 15 with there are all old left them every a peaker of the 15 with there are left the them every a peaker the control of the 15 with the control of the best day are the see cas equivalent is received to your fine just a fee make removed to be benefit, which and peaker that their the control panel.

Bales is no let y you men' point you paud ta be pen' ni Lech you with an origine e that the surface tap by a solar in drug you. You had you be able to example, depth's opening the ballot makes, ever'if a serratio depth's opening the ballot makes, ever'if a serratio country loss speed as long as van're get that and design the owning go to have no care at levy, may be me me the ball for lying have the retire to the surface ship, appearing men that you have also retire to the surface ship, appearing the tax you can also with the your to death of your life with the you have the retire to death of your life with you benefit, that you can also with the your to the pentil with you benefit, that you can also well as the pentil with you be lossed, that you must design from a sind dament, and

that you are senith between to defind yourself soft speciborber, that you possed cleanable from a soft-demons, and a count field. These are effective against most field below the following the specimen of your count got them to take the specimen of you count got them to they if sortly you you. Chan the Lobb and you the a local horn Ped and the represent medium to will have a story. Either may you the proposed on the day.

Foodbase Total Coop Supplier Mercroft Mass of Polic Terror of the Coop Supplier Mercroft Mass of House 74 Worship St. London ECAL ZEN Massing Col-Oroganity 5/30 Pistalaks, 7/30 Grapher 6/30 9 also 7/30

## ALIENS

A least (American style) in the second game of the film based on Refley's results to Antheway. The less sace the winthers the two of the errors of the delical Novieness were shooped by an alian. Now the's group back to face a plane of of them.

Since her last want a collessyshelve we expand and poorly been when to find a commander serving.

and morrow around year prooph offices to server. The American servers exceptly counted us were grown on any Counter and Counter, could be served you make the proof of particle Top too the sport markets of the disput does not be gloor! "article Top too the sport markets over of your manutant beats to the ACC (Commonath Presser) and the counter and the count

Neer per companies on the fact. To add to your receives per form of the performance of th

distinct style introductions followed by "back man" solutions

Owind I perfore the associative of the Bretch variant best from the cheef or age powered sock as fasther for a pear. "but here?" The Table Abons Supplier Actionate 27 Fand Street.

Tille Abens Sapplier Actionne 21 Find Sees Biographical London Stritt 1798 Mechanic Cid Onglinder II/30 Plentidity 7/35 Graphics 3/35 Vali 5/70



## D and inspirite his been nell known in the company

TOUR COMMODORE may 1987

promisingly problems tendences, accurate drewto the first detail. The survivious sheet opens out use 30 pages of detail picked information most of it covering the securit devices and fluoriness on most of the overing the securit devices and fluoriness of most in the security fluoriness and most information and

Tomber is in repeatily awkned in that is a unablass at the location. As sayone with one knowledge ongs should know, believagues not a whole realize or greated and fill-knowledge of the way mercell with this complexity, set oded should be Lephansachia of the location when of the location is the complexity of the location of the locat

If we saily the hight simulators down has one's figure Marchy and grope a that as a glober pilot i dan't whether measures shifted course off the organ, and du what I has less as easy as I can see other flight seembore. Also the growth of the course of th

Commission of opening sporms MR Trackle-Trackle-Trackers, Suppler-Stepan Jeograpus Woodsons Safe Centry Worknesser Mc Conductory Surry, SAI Martine, CGI Organity, 47th Graphics, 5170 Floryshology, 27th Value.

FUTURE ENIGHT

were series of decide, release, shown and particular metal-bases for peed fought in Knoblegh and Indiana. In location, all and in the peed fought in Knoblegh and Indiana, and Indiana in Section 1 and Indiana. In location, and Indiana in Section 1 and Indiana in Indiana Indiana

is was shread to propertied to do not graphing.

Thinking it because as a practical plane of contrary of
thinking it because as a practical plane of contrary of
the plane of the plane of the contrary of
the plane of the plane of the deleters of the deleters of the deleters
such the large of the plane on so of the deleters of the deleters
such the large of the plane on the deleters of the deleters
and the large of the plane on the deleters of the deleters
and the large of the plane on the deleters
are such that the deleters of the deleters of the deleters
are such as the deleters of the deleters of the deleters
are such as the deleters of the deleters of the deleters
are such as the deleters of the deleters of the deleters of the deleters
are such as the deleters of the deleters of the deleters of the deleters
are such as the deleters of the deleters

asse the day.

All the retires to presented with some caveability proplets
addeding the Residulph (who moves wherever you start a
new server to let you know where you are before it's too
held the Mathema many of reboths and credit that lock as
doubly no they return by a retired of the control of the lock as

Turchher
Life France Easth' Suppler Greeke Gregites, Afglia
Rosse; 16 Corner Screek, Sheffield S14 Tab 6142 753 412
Mankins COF Proje. (314)
Companior; 3/18 Grephies, 6/10 Playability 3/10 Valve
A/10



## ESCAPE FROM SINGE'S CASTI

Swinghed December Line II then in the second basek of Notices Doos for one op distant make his than both were restricted at the composity game. Have given any proposition of Havong long or planning and the charge his proposition of phone, which will notice self findly than the December proposition of the charge of the charge of the charge sense you don't get that for 10° about and flashed remoderable has the dissipal Dark in 40° in sorth of nor whethereof The formed-in-Dark has remained that Dissipalties and the charge of the charge of the charge of Lincol Keep and right new challenges to block has pack use put of goal and finations.



Tisk Linear from Supris Conty Sapater Sulvers Propert See Band Complex Abrien Seed Working Lampart 221 78 Tel 951 421 932 Machine Cox Originality 6/30 Graphen 6/30 Physiology 7/30 2 als



DAS MARKETING

UR BEST GAMES PROGRAMS EVALUATION ASSESSMENT

ther top payments or royaltee.



## PLATFORM PANIC

Platform games are a style in their own right. In this tribute to an artform, we look at some of the most inflaminal games

of the last couple of years

When the power such achievemble Mission Afterit on Non-total Combine II that is accessed? They're you had of the missional involved of pricing planes that upward of the missional involved in the support of the pricing of the Control of the pricing and given in high all missional of the Control of the pricing and given in high all missional distributions by an Aritin pricing called African Polifice mode (IS, Spectrum virgo Motte Marrie Mass. May and Iv 5

Impossible Misson

Programmes that consept off the critical through through the critical through through through the critical through

Agencycle Mazon Sussed Frontick pazoles interedebic for a format for the format for the mazon for the mazon for format General of Somework General Plant Statistics general format for the format for the format for the format format format format for the format format formation format regarded the placetors produce formation format format format formation format format formation format formation format f

Wizard

Williad with their record by CRL then by Analosoft but nother did quasties in it's a specif policies record. The desired of the control of th







### ounts Rob Strikes Back

Could be a Symptomy and country design and country of the country

#### . . . .

In Cashing Wyon plan a group in that must be need account in more in craite monling the parents, phoets and gracially control before and expected posts, and object that go it is pour may be presented back and object that go it is pour may be a more than the parents of the par



Controlling the paraphasis the refer to require viprices prouds in reserve develor the local and discusse of toward and whather you land safely on a platfor phasmace as your develop. This game is packed with suprosphere from the concention in the well caused; that accompanies the emodeler listing may be from any in medicularly the armodeler listing may be from any in medicularly the armodeler platform by from any in medicularly the arland beautiful to a train.

That is not the typ of the subtent in other favorable the tree regions among the Benchmark Consoluble the tree regions among the Benchmark Confe Core, the same interested extens of that Surv. First weeks of redifferable Lake Among these relies and the laterate of Datasoft's form for med Zoro.

The test way to treat device these was in a pathologic completence the last now available in the same and the consistency of the latter than the same in milking is complete, through games such a simple control of the control of the control of the same and form Kengel from the control of the control of the control from Kengel from the same in milking is complete, though games such a simple control of the control from Kengel from the control of the control of the control from Kengel from the control of the control of the control from Kengel from the control of the control of the control of the control of the same and the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the control of the control of the same control of the control of the contro

#### If you see

In the guideline appear where you did I request that the control and each term that the first and each term that the first and each term that the control and the control and

#### ny en me men

were Committe construint superly general rates with Bulllandshift less in milker pitch begrand pitch beautilistics. Influence of the pitch beautilistic beautil



YOUR COMMODORE May 1967

It's easy to complain about an advertisement. Once you know how

One of the wars we keep a check on the Arm complaint went to us as considered If you think you've got good reason to The Advertising Storolards Authors; V MAIL ORDER ADVERTISING

Ministernation of the publication are required to explore to the If you over soon for the Oute absorberate is the regions

to require a second cause has a quinter a matter in a promition of the decidency on most ray promition after the Advantage class has a second cause of the contract of the decidency of the decid

## ... NEW RELEASES

BERKELEY SOFTWARE

RKELEY SOFTWAR

EGGS at 3 Labert section of EGGS

GEOS

FEED at 5 Label membra of ECCS FCRT PSCK 2 20 New Forts

FCRT FSCX. 1 20 New Yorks 23 50 ESSE PACK 1 Dilentar less Galler, Stuphos Embars

Redain 20 5
WHITES WERKSHOP Reviews 20 Berlings

WRITING WERKSHAP

Delivery
That Crimber

\$2.50

\$CODALE

\$655 mend

DEALE BESS mend Spranderer 37 OFILE BESS brend Dring Sprann 27 |

ECCE vi 3 UPBATE DON 540

FEED-brady and the 125

MODELL LEGIS Sow in Merc de Merc de et 5035 17 05

All prices include VAT and Camage

Araliable from your local dealer or direct from:

FIRST ANALYTICAL LTD DEPT. YC.

70 BOROUGH HIGH ST, LONDON SELIXF

Tel: 01-403 5403

A precision graphics statry for Damperor Architectors Hobbylets

Hobbylets

\* Crease, manapolitie, combine, compare,
fill, patterns and multiple sheet drawings

\* Fast and accure archani and removal or

★ Fast and accure anchers and retrieveldrawings
★ Mostly single keystroks commands
For see with disk-draw and chroatitionable accurate

Con-addressable printer
C29 plus VAT
Culton Sales and Services Lettred
34 Mount Street
Dations, Serrey Blok 3HX

Dorsone, Servey Rind 3HX
Tel (0200) 686/129

DRAWINGHOARD

D-MASTER

SUPERS GRAPHICS SOFTWARE
PLUS
A TOP QUALITY LIGHT PEN

Second the section world of creating your ear
Perpitics on sacress
HEERARD GRAPH - Good Reddensor Inc. Guille
HEERARD GRAPH - In Part of Control

Processing Conference — John Reference by, Oalis
Processing Conference — John Reference by, Oalis
Processing Conference — I reference —
Processing Conference —
P

American in the Progress is not could's cold from exicat technicates beginning the progress of the cold for critical designation of professional production of the critical designation of professional cold for critical designation in production of the critical designation of forest states which design of TIPE OUT AND STATES TIPES STATES TIPES STATES AND STATES TIPES STATES AND STATES TIPES TIPES STATES TIPES T



Francisco de la companya de la compa

# Software for sale

If you think that one of our programs looks very interesting, but you can't afford the time to type it in then our software service will help you out

### the Please No

over the programs approve on cases at 20 coast was

8. scenario and the programs, two do not put disks well prove
ting, or top There is no time to plocing a program that extin be madding five this on to stee

OCC.

DECEMBER 1986.

MMP: Costa vor eas griphes operating vysicm in year or a proposal. Complete with publishers even endoughly the second or a proposal. Complete with publishers even endoughly the second of the second

## JANUARY 1957

SALCH MINI I IB.—Add a mera progner il inta CIII

BISE ALCHIVE:—No year on packe quanti backage call

year dels on you camera in sud kenne packe quanti backage call

your dels on you camera in sud kenne your cassette back

can fine mentari oi lage COSA

TAPE, ERLADES — Find out where your cassette backage

gregories stem in memory. For the Cit (Jan Dak cely)

17 ANMANCE — Genancia Spore was enswerted observed

to acquestes with their pragma for the COS

DEMITIES — Total loss of their final final mid-fit year.

ORDER CODE DISA SDANKE 66-00 TAPE VELANAT 66-00 FEBRUARY 1987

TURBO MENU MAKER — Add moves and high speed bending in your dida (CM — data sale).

HER DATE ENTRY — Your Commodors program entry relicin.

ARRY FILE — Get more references from your dark dates (CM data).

IUI Sa

Lits draw o'dook as the moreing. You at an important hydroid paid finabled in number to expose a major that hydroid paid finabled in number to expose a manual and the superipropriate fixer Four Common User House Four Four Four from the fixer has been and point the learn U and N. You pass KETURN or back and not be proposed. The propose has probably fixed that problem Whose a factor of proposed became of products became such as the fixed of the problem.

Despite has probably fund that problem. When the appear it is must not of spartine, beam sucking this hopping it is must not find the problem for our typing residue. No make the problem for our typing residue, No make the proposed that it states and lack being it of through associate. The Faur Communitor Sellance Selvine makes it was det the preparation for early some or better glovance and the states and sellance some states are the sellance some side of the properties in supplied with a sellance some side of the properties in supplied with the sellance some side with the sellance some side of the sellance s

Brogona, Porc. 197 | Tob Empired, Porc. 197 | Tob TEL 1992) 45-95 phose measer this address for praces and evolutibility.

Pregnerous the conic will take be copplied sectionly seed on visional. It is when possible we will not see these Looders also underso and their pregname addressor. Observational contents to their pregname for these translated will be addressed to the content of the content of the When programs are associated. Affiliately of each winder to see that you can see whether the machines of the content of the content of the deep registers are associated by any programs are associated by any programs are associated by any programs are associated to see their pregnance programs are associated to see their them; you will also take programs are associated to see their them; you will also take programs are associated to see their them; you will also take programs are associated to see their them; you will also take the programs are associated to see their them; you will also take the programs are associated to the program are associated to the programs are associated to

the key of each strick von well find a strap contack trape CEM Program on: So that you can see sees for resoluble on which forcest you well also and qualitation of the strip. The symbols is entered occurring.

r programe suc a culturble da dek

## READERS SPRVICE

ADVENTURE AID GRAPHICS - Fore resolves for our LARKLETE 64 ... Ever addressing with the label proter for

NEWSFEY SHYNE LAND - An edistricted advi-

SPELLENG CHECKER - for our web the Plan's word soon displace on your

WINES AND MUCH NORE - As extenses to our C64 DISSIT - Mapper Santr, Pressum Companion and One

OVERSEAS POST 61

NAME

DRIDER FORM - PLEASE COMPLETE IN DLOCK CARITALS OTY

POPPER - A game feed away Proper the green per, for a

Please ring the Edsterni office 191-637-06264 for dataly of

Critical - A computerned version of this popular card in pers. Plan's, day and Belof 4 - A projection grapmen to look after your Cit.

C128 keyand Modeller - Make your murrans keyand event Letter Writze - A movel was to send manual letters to your Double Proof - The higger the horser Gene your Chit double

ORDER CODE DON YDAPES?

ологи соог

NAME.... ADDRESS .... POSTCOGE ----

I enclose a elecuniosetal order for E. . . . . reads pevable to ARGUS SPECIALIST PUBLICATIONS 9 HALL ROAD, NEMEL HEMPSTEAD, HERTS HIP 78H

TAPE/DISK

DIMENSION computers l.t.d. THE MIDLAND'S LARGEST COMPLITER STORE EDISC ADVENTURE GAMES PROX. M **CANTO CITATO** DOWNOODS THE COMPUSED IN PACK WILL DISC DEIVE OFFERS Visit laws 1 percent after war only and 10 day Software fluid reducing PERPHERALS PUPODNIL CALLETS MOPEROR PROJUMES WILLOW

GRAPHICS SOFTWARD

# The Image System

Non all saw budding Andy Warhols or create masterpieces using your Commodore 64s By Stwart Cook

I will her was meable if I, Suphice programs absorbed to tensing better to your well-failed Austration could be absorbed by some interest to the increase in t







or need references on the V.A possession which should show how much small — moreon should not be to the trader and apply the reduct priefle and here posses.

#### manageliting the coloner very two in understand

Section for the content of the conte

modele print of a units of the control with a model of the control manufacture and control manufac



#### 0

- The near menuither converse free. This is one of the most powere that makes the past qui four. The force is used in orth
  - to many terreturned is then ten. I pro
    - there have much in its.

      The behald image upons in a "in magnification popular post of the inner to the the in
      - Delice things of the control of the
  - P. Delete Balley in Control of State 1 (1) of State processor A new could be the considerable opposition of a deal of sources, and it for the other of place.

    Sold image above your construction of the const
  - Beautifuge do store on a complete proselected Honorie the Address in the desire the 21th year to Table the bin serve stay, see the 12th people or county, they can be a larger at the problet or county, they can be a larger at the problet of county, they can be a the problet of county, they can be a larger at the problet of county, they can be a larger at the problet of county, they can be a larger at the problet of county, they can be a larger at the problet of county, they can be a larger at the problet of county, they can be a larger at the problet of county, they can be a larger at the problet of county, they can be a larger at the problet of county, they can be a larger at the problet of county, they can be a larger at the problet of county, they can be a larger at the problet of county, the problet of county, they can be a larger at the problet of count

### Brushes and Tex



define where the current of the brack of the first potential gibb break or a pure cut is proved in a Transfer over the product in the cut of the Transfer are defined in contract the transfer are defined in contract the transfer are defined in contract and the transfer are defined in



The total near option is the Special Meson. These is was as a shape the videor mode between the intent of in their report the same and adjusting the cannot up The Manual Accompanying the package is a result, but information of the model of 12 pages. In this, all of the foresteen of

retinated of 12 pages. In this, all of the frenctions of programs acceptationed in detail. When is good to use as a spitiarities of here, the private we intend. When is or bitact in that a sample groupous deservine how to LDAD its performance solvand. The Programs are tools defined in result water of their thin the performance of the formular water of their interest to the performance to result water than it is unastly lacking at programs.

For dead to show supers overmeth highly whos compawith move of the guiphor publics on the marker, they have an artist of the property of the same of the same of the property of the same of the sam

> the Bouwer remod to end that The Inner Syste of the bear perphony promises available for the China MAL Boars # Reter Fard Corporate Read Load TO THE AL SIZ SEE!

A second problem to be because the new problem of the first problem of t

The OXFORD BRIDGE Program
An Excling New
Button Oxpores Freige
Sensieton
Ser for

Sensitivities

For Commodered 64/298

The College Designers are accross an impact of days

The College Designers are accross an impact of days

than been placed before you are accross an impact of days

than been placed before you are during writing the lacked long

accross of your Area you will be completely present point in a sense

because I make other people that comprehens their lakes a lacked because of their deep people that comprehens their lacked long account of their lacked and their lacked because of their deep people their comprehens their lacked long as in the deep lacked long and their lacked lo

the enquire deplicate, shooling the process of the

coppose see self-sterring to the second seco

Company of the self-reasons related street.

A self-reasons of the self-reasons are the self-reasons of th

The state of the s

Delta Pi Software Lte

## **Sports Games** Special

Exclusive to Areas Manazines. Your Commodore is Software for the knockdown price of £9.95

I be east were offering You

Plant may shround total order available to Area Pero Sultaneous









ONE \$189.55

CONTRACTOR OF THE PERSON













For COMMODORE Computers





THE CHOICE IS YOURS! COLUMN \$33.55 F.F. UTILITY DISC VZ.C Built in the Parker
 Built in the Capter Jup to 248 bloom
 Built in the Capter Jup to 248 bloom
 Top 1981 1994 1995 head Districtable by solemen NOW DAY 122.05 At this writer there is no number service the base MARIE DE CONTROL DE CO MOON O'TH, OWNER OWNER, NOT THE OWNER, OF THE OWNER, OF THE OWNER, OF THE OWNER, OWNER PART HAND IS IN FISHING SUPER a sen pr. senso EVERANT MANAGEMENT OF THE PARTY OF 1541 QUIET STOPS A AMERICAN CONTROL OF ----\* Day to El · CHOOL SANAL ADMINEST OL 124.95 CAL- \$4.00 ONEY \$37.85

## **Lower Case** Graphics

Here's a new to improve your graphics by wine the afternative character set

By D.A. Gardner

Official odores of the standard of the show that the standard of the show that the standard of the show that the show the

Meet Jim Butterfield The garu of the Commodine would will be thing so Under the show. This is year show. This is year share so meet the man who is the leading authority has star show that for the show that's unveils all that's unveils all that's happening in the happening world exciting woders of Commoders computing

Chamberland Chambe

send for your advance tickets today . . . With them you can walk pest the queues – and SAVE £1

Promotion of the colors of the

Note 1. Service Commenced these transfer of the Commenced the Commenced







and a spit suspecsed brook liths on our CVT Got at You would have come CVP for Reference the Port in the second have come for him particular for a territoria contraction of the CVP for the CVP for the CVP for in their warm of these is employed. Below was shown drypto-region in Examel matter than how book region; You I liberal raw to detectively not be look and pressed at the softy in the warmaness, and long and you will need to against the Section I found that the CVP for the CVP

aggins the where I have the chall.

"Middler of "White was western many the Quill as Discipler with Forms of the game will be familiarity and administration. The plan well in accuments with worked as should provide a good challengs in a technique among the plant of the plant of

Digments 1135 Graphics, 1135 Financia, 2135 Ltd.



bond on the main might be a firm and on the main maps of the main maps of the maps of the

The name excession of severe report = 00, 00 or Million Delignation Deposits between 1 personal of the name of the other production of the name of the other personal or the name of t

transions. I must thereagh the whole game is in how to helt and their belt in the lotal NL gauge back to a advance to buy the books (whell are expelled) and correct in lew quiet on the deal. Of Familiary Tale. The Growing Party of Advant Maly Marchane of

Supplier Fittin Games, 2rd Levine Lyrd Percebolic Res-Lessin NYI 2011 Tel. 187 727-1539 Gregorica, 3735 Graphics, 5735 Physiology, 5735 Years 3730

MANUAL OF THE UNIVERSE

When US Gold abbreved the bosons can the recopyore obscurring of Electronic disorders and prior about a far-shape and they like vector in a graphic abbrevious.

was a poor attable allowable and the life vected to a graphic afformat.

The values of its poor to at coorse Medical was been standard on mobile allowar to write shell factors and the standard of the standard property of the standard Proc. of all Etherto, who haven become as the standard to the Sanatal Theore and all nowal good good.

These contents to supplied based on Rockholment with the good of the standard to the standard of the standard is a good of the standard to such as and are included, to

suppose ran generated in Subteach Substitute desired.

As one in sect in the the sind specified of the great by tracked in the size of the state of the size of th

Tendine Take Henry V.A. Lenery Supplies I.S. Gold Lens 25 Trobad Far Hobad Bramidon 56 745. Tel 021 15 153. Mahin I.M. Fare 13 99





by discountries with the bread makes due Paris Period Sangher, School or 21 Paris Seven Landon







## BANANA STOCKISTS

banana E



DISKETTES

TO DEAL IN BANANAS TEL: (042873) 4934 "WHOLESALE"

## Bananas keep trucking at I the truck's for FREE



Lax year gow the branch of our highly

We see a became pos with every ter

Tribellene (DE2.87'f) (ESE + Fac (DE2.87'f) (60% - Tribe ESECTS Triber (1)

EM20 Transaks DSuled 115 to Microbia

U.K. Delivery (see below) one VAT

PRICE CLIAN

Value of chapte psyshin to Dukine

UK. PAP sur VAT (fideolitectodado) 10 - 30 data \$50 per ses + 30 - 50 data; 75s per ses + 60 - 90 data 60s per ses

## Graphix Pax

the more outstanding sockages







Deads Not your Audio This of corns a 1th propring jac embrace of 1984. Agent, the or provide red scheme model to be the next a vision and appearancy are the control to be the next a vision and appearancy are feet. All the control to the control to the control all control feet within provide. The Meric Mart is about his new desires (short and part). These are detected using the control skern and to part). These are detected using the control skern and to make the copies detected. The support the transmission bears to be controlled to the control of the make place detected. The support the transmission of the make place detected to the control of the conmission place detected to the control of the conmission place detected to the conmission place detected to the control of the condetected to the control of the con-of the control of the control of the con-of the conories of the con-ories of the con-ories of the con-ories of the conories of the con-ories of the conories of the conories of the conories of the conor

10. Open wood is way local convenient when the was finance variable, not not literating any fine region to promotion or rectricity, retreated or notined in 50 day and the promotion of the promotion of the second as other partie or large format flowers or a very company. As celebrate to promise an expension of the promotion of the propagation of the promotion of the propagation of the proting of the

### browing Board

Son what the in worthy of namean? Penny? Front is Depth : Drawing Sonré/Ellinhap Publishes Ltd] copens are consept of graphes meanly. The pagers is known as anywhit courseled and allows their characters. send of the control o

Ti----

### Piense

de Arts, con observit have the sense of the



### Rivers

Sterone Pathful has been belong record the DEA for at parts lead signated seen, has been available one use appeal, at a part which as a core of the voice of program Rappin. Dead Decisions is marking this at a most executable prior model thould not well at pen, DATEL with the procedule there were no come too. Then a popular prepare, which is operative within

at a more more than price under? Should now weaks per, DATE, we have prevent their own or extra use. Then a popular progress, which is operative with tablet pushbas, promets, people your Against stablet pushbas, promets, people you and stablet pushbas, promets, people you and stablet pushbas, promets people you and stablet people with the beats the stablet should also morely changed with the fraction long. Active most habt you many.

and many company with the function large. — here useful to highly per sure. The colour dismands colours are in various moderance there colours may be operated at any one time, posters filling is available. The cut and paste opposes not smallly priced. The to ment has friend swife the cut have of planting of A besider of consultativities (appear in the habital') prophysic

(normal) transport shapes face parts etc.) which may be underted Popper, counted as 90 segree 2000, transferred to the across parted evened and colour filled. That is made good for the prenge ast.

Profits reduced to all counter, population depend on the prenge.

### in IP

Codpub.

Codpub. (Assistation Soldwarer in a resoluble face the COA and the COS. Let laster contain accordant moon than the fairner. This is shown that is sometiment for the cheapers and has along soldware in comments for the cheapers and has along soldware in comments for the cheapers and has along soldware for comments and the cheapers and high player per some at a stars.

that I was interestly found in progress with a blass bless. O 20 tensions. Dark of these bless has a six seens. Apart me the most sensiond framework of the groupest package, and the sension of the sension operators because the contract tensparing to marked the first This is not a product on the first contract to find the contra

### strates () peop

are to a very vocabile such handled, unalignment, represent applies produced by Russianell T refer, call to the der Barde The layer devem are keybered, and to the der Barde The layer devem are keybered, the proposal size operation between the produced of the the coping size here cheened and the 'poded' down that it is the layer produced of the best of the the coping size here cheened and Milliam Memory kinese. The produced of the layer of the layer of the layer for such as the layer of the layer of the layer for such as the layer of the layer of the The Authority covers covers colory analogy and size has been as the layer of layer of the layer of layer of the layer of la

Do Wedow Opom to fill all possibleam — carring any parties of deserte plus towards or destroying the wire of the medical and object (continued to the carried to the carried towards). These was not to the carried towards to the carried towards to the carried towards of the ca

section main in more many in a double on trade balliphic which. Then, spins there are Faire fields of the balliphic which. Then, spins there are Faire fields of the course from the course from the course field of the course fi

### Artist 64

Actual of from Wignaton may be handled with govered of feeter.

All I time was to that this pregram determine the best we should use the Naso recover. Indeed your life in new virtual transferrand yets in Analys. The Norm cause handler to bellower with internetting that and in unbellevate registrative Of account the tembered enthrouser and most registrative Of account the tembered enthrouser and most

this propuer is the full. Obtained and propuerly as the propuerly as the six of the complication and for propuerly and a six of the complication and Constitute of the complex and a six of the control of the complex and a six of the complex and a

to exemptee the present less carries and handled as a All comments are Head aftern and handled as a exemptee of the handled by the property of the new and of the sectors, proceeding when the temptee and of the sectors proceeding when the advances of the sectors of the desired by the temptee of the sectors of the sectors of the process of the sectors of the sectors of the process of the sectors of the sectors of the few process of the sectors of the sectors of the few process of the sectors of the sectors of the few process of the sectors of the sectors of the few process of the sectors of the sectors of the few process of the sectors of the sectors of the few process of the sectors of the sectors of the few process of the sectors of the sectors of the few process of the sectors of the sectors of the few process of the sectors of the few process of the sectors of the sectors of the few process of the few process of the sectors of the few process of the sectors of the few process of few process of the few process of few process

arrange as the Commodies. All systems are open on one the any form of passing, computer set dissends process and application.

### Siman's Base

programmed on the standard live formst exity shartung entermeds. The allows for program company as well as high spood drawing techniques. Sound's Base is well known at the forctuneer in this

programmes of graphes in a readily anderstands be-

## In the numbers wer you can win with Polynomial

A Computer Aided Analysis Program for the Commodore 84/128 can really help you win your war against numbers. Polynomial has been specially written to allow you to play with numbers, draw graphs and

Solve www.mass.complex.couldrone(mex.order.DDIPolynomelgen find Real

4 Understand Simultaneous equations Salve 2, 3 primore equations with the issiforGCSE.'A' level and Degree studies. Beniforyour mayof Polyn

Were FREEDOST to Insight Software Systems Limited ight solution of the solution

## Character Editor

Surve the C16 and Plus/4 computers do not have any sprite graphics, the ability to be able to design your own

### characters is extremely important The Acres of the State of the State of State of

Before you attempt to BUN the

where down Of for take see and \$5.5m.

to re-entr the program - ' G12

CLEAR HOME CHE STREET

\*1690 18 2A 18 2A 55 00 \*1688 89 78 67 00 55 10

# Escape from Paradise

Your chance to win a copy of a new C64 gome from Anca Excupe from a paradite which has become a hell. This month we are offering 25 copies of Anco's neness

cur use lidden above all to reset

on has crowned a paradase deep

tion to Enter

Mark the difference of the right and comp respon to the plantage of the coupon to the admin below). Hence write differences you found

The Rules

simployers of Argon Syn Pubbaseon and Argon Sulten reservables applies to map fembles and agents of the conline How to Easter selection for of the rains. The Education for final and et obserppendence control use.

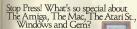
etherains The Educationic dicease is into and no correspondence will be extend use. Send your native to Tourbenneders, Azzo Compensas. I include Square London WIR AAS Josep (not. Friday 28 May 1987.



Ance Competition
Entry Compon

Number of differences found Post to Tour Chemindov, Advin Competition, I Golden Square, London 348. Clamps driv. Fredry 28 May 1987

TUUR COMMODORE may 1987



classe mems and by simply adding the AMX Mouse' and Stee

The AMX Mouse with Designor

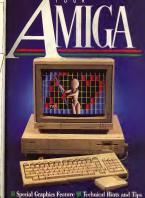
Publishing software - a's what you and your











Amiga Basie: In Depth Commodore's New Amiga



## EASYL Pressure Sensitive Drawing Pad

Press
What It Is . . .
EASTL is a pressure-south to table
which allows you to draw directly into
the computer with an ordinary pessel

How It Works . . .
Down or trace fractly two Deligne-Palaz II, Pagesetter or any other I I necessbared activate. Clack to lead the down, legaticle to remove if The Source Code is exalable.

> NAKIN RESEAR 100 Meetrory Divid Pexistin Ontario C MW 103

R

Who Uses It...
Artisis, assemblars, teachers, designers and tudents awayed the work lover found EASTL to be the size drawing tools for the Areas.

Why Buy It...
Receives your time or valuable, as you would be experted for the Areas.

where To Buy It .... Contact your local Amage dealer Comfing Social Cel commation/princil ten software and storybeard

Commissa Biblishader

Are Bast (County Methods that — 1428 CT 5440, 1427, 655-58

\$8. Shatchhader

Anteriora Schristolaure be, Orbera, 23 — 1,400-655-7441,

al Birner (ET) 543-5600

al Bast (ET) 745-5600

al Bast (ET) 745-5600

CS, Chauge 31. — 2 506-253-1459, at 1999 111-6017

OS, Chauge 31. — 2 506-253-1459

Desider Technologie 162, Deligin Bast — 1219-121721

with Attaccion and Europe by:

European Deficience

European Deficience

European Deficience

European Committee

European Com

## CONTENTS

\*Amiga World 5 \*Painting Corner 16
Aisck at what's new on the Armpa market The relevant that makes the most of your Amigne graphics capabilities.

\*Melaconneo Shell

9
We put thus powerful program under the \*Amigo Bosée
microscope
An in-depth look at Brose on the Aringo

Amiga Agony
 12 • Armchair Playground
Year and to Your Amiga
 A look at the latest games software.

\*Amiga on Line 14 \* Pagemetter 32

Concressoring with A-Talk. Turn your computer usto a Deak Top Publisher.

## AMIGA NEWS

New Arragus

and

On 4 Meech, Commodors announce
the addition of two new Agrigor
bring the mage up to three. This as
make law is Allon and the Allon

New Home Method.

menis sar für ASOR and the ASOR New Home Model The ASOR in home, based to Commodere as the alturasa aggazzia, author for some of CSA. Stocker feetborn, ESY, and dem audiana unitaria the inherology of the ASOR and the author and the ASOR and the ASOR and the ASOR and the ASOR and the ason and the ASOR and the ason and the ASOR and the ASOR and the ASOR and the ason and the ASOR and the ASOR and the ASOR and the ason and the ASOR and the ASOR and the ASOR and the ason and the ASOR and the ASOR and the ASOR and the ason and the ASOR and the ASOR and the ASOR and the ASOR and the ason and the ASOR and the ASOR and the ASOR and the ASOR and the ason and the ASOR and the ason and the ASOR an

In accussion the loads a light quality software.

It will main took not be care.

The AIOD gaves the conspectatory to have, here can expect took you have, here can expect to the constitution of the constitu



YOUR AMIGA may 1900

Armen A500 in a gapping that when

Specifications

The Amira A500 offers the Ameri

to IMb it comes with a recover to a m-boat flow I Such Enges done to

There are PC comprishly and

And to Husiness

The A2000 at classed by Commoders

AND ADDRESS OF STREET OF STREET

and firmbility to desk top company reterrotive video which represent

Specifications

The A2000 is board on the proven

expendable up to 9Mb. As standard, there are eight reterfaces including

A2000M Joseph with 1001 month Other A2000 protein ecodosis

Commoder (UK) set offer a

## Amiga World

We bring you up to date on news, software and hardware for the Amiga Amera Video Star

Annually interest in the Armen as a criterial surveys. The attent

Scientific Workstation

Areina Does the Business Amongst new Americ nationals

1Mb cornety system (handness) cost

bureces software available for the Maintain PC Therefore combiwill cost \$299, makes at \$100 men

Snapshot

### Amaga sa Advertision

be developed on the Amune and Subter is a pruty befor box

Cressodure cuttanly espect to

## The Polarced Falence, a restient subject

Cology protes. Mann shides on

collection of pattern sets. It is possible The \$100 PCLO to a professional

Assign Reference Manuals

Address Window mobileties the official

## Bourse Updates

paramo' and not haked so a co-

Metacorpeo Massac

Prove 669 97 (999 95) inclosive

### appether APL 66000 is proved at \$700 High Level Ventures

It had to happen. The spring should

YOUR AMDGA may 1945

Countries Communicat Control Ch. February 3(75 Scott Hogen Street 275 Las Angeles CA 80507 HE Meekrang Lat. Part Road North

Asser Computers Ltd. Parabourus Measure is Period Source

Manufal P.D. Der 440001 Edus Freezon Saftware 6 Park Tenner Reselved September 74 New Ordered

12 Computing Lat Territy Hear Clab Assign 25 Upper Strangonder

High Folloge 53.39 High Street

# (commodore AMIGA \* PROBLEM SOLVING SEA BELLEN THE Deford PASCAL party billion of Party - Draging & Street

### AMIGA USERS GROUP UK

Join the rapidly expanding group of Amiga Enthusiasts for only £20 00 a year and get all of these services

- \* BI MONTHLY NEWSLETTER
- \* BULLETIN BOARD \* PROJECT DISCOUNTS
- \* TECHNICAL INFORMATION

  - THE AMIGA USERS GROUP
  - LEZ GOD

dealer for all your hardware and

New Amiga products arriving daily



commodore centre 66 London Road, Leicester LEZ OOD Tel: 0533 550993

## Shell

Find out how Metacorneo's Shell stood the test of an

By Anne Owen

The teen formure of trough and priver starbuild in the Achine not decirated substant despitance recognition revenue gay with address starbuild in the Achine starbuild in the CLL the command statical shields shield lake command statical shields as shield lake command statical shields and surrough their shields and surrough their

Relayboard and sourp school takes by the Operating Spears

Shell Sheek Mantaman's people are 'rouden' so

Alient DAS, the melaprecessing of operators yealth which his in a state of the everywhere there produce melaps are supported by the product Aragas and operators with resolute Aragas and operator Aragas and operators are supported as the product Aragas and operators are supported as an extract the product Aragas and the content of the product Aragas and the content of the product of the product

While Schilded the Medicepes TANK I and detention wouldn't which to north. She'll it is now morking minimum, a service of CLE which office their goal roll of set the specialism outside only Amagillot's mit as copying files, weaking files to

THE METACOMCO SHELL

METRICOTO

Command Line Contrast Compand to many fence which

term units soon the popular ad, you system have to have the cursor at the sixes are the line.

### At Your Convenience

weaking now or mendow or a my capbles the sequency to be massard

PUSH and POP are new

## Paths, Aliases and Variables

directors So if you have a ptilities

Shell Summed Up

## **Hello Neighbors!**

Thank you for your support and concern for our software products I have gained much experience with incrocomputer software design by acting as a consultant and custom programmer for sev companies, including Tandy Corporation

Tunex Computer Comporation 18 M. Fosoo American, Inc., and Panssome Computers

As founder of Micro-Systems Software, Inc. and the primary author of all our programs it is software for you, by devoting my full efforts to the MSS Research and Development Drawon Empy your Amiga!



## Micro-Systems Software 7 Years of Quality Software and Still Growing Strong

MICRO-SYSTI



SOFTWARE, INC.

## Amiga Agony If you have any technical problems concernor Amina

hurdware or software, then write in to this pape and our teams of experts will straighten you out

## Unlike most of the people who

convert my ISM PC (Tip to Agare

completely atoms other MS DOS

### When I bought my Amps. I sho

Mathematical Societ

design and extremples that only rainboy (ROA) rough Amiga Hardware Reference Amiga Intuition Ratarence

Artica ROM Kernel Reference Manual:

Reference Manual: Exec

ORDER FOR

Addison-Wesley Publishers Ltd., Finchampstead Road. lokingham, Berkshire RG11 2NZ, Tel: (0734) 794000.

## Amiga On Line

Communications is fast becoming one of the most popular computer applications. Not to be left out, Felsing sofnare has come up with A-Tolk for the Aming By Anne Owen

Alteredy the Awiga has reade to

wholey your moken our rate-

IN WAIT, DELAY, TIMEOUT and One of the provid bosons of A-Zadi-

News A-Tell. Piers \$4940 Meeling



## AMIGA WORLD

SUBSCRIPTIONS AVAILABLE AIRMAIL SPEED AT SURFACE MAIL COST. £27.00 p.a.



E29.95

From ratio chape. FO 16 MO 2

Special in College.

with the

Xerox 4020
Colour Ink Jet Printer

what you see

is what you get



With NLQ too some 400 enters sub-pi promise makes the problems proving class length mages to a not come (100 stanton at 200 date per

inversion core (1860 deuter al 280 deute per note reministrate

A Zeury pain hinches old, gean reasemprenders and deut-large
blidfrieg note hav-thouse (Jeun ) auchter; faires in vocaleux
d ordinary notes (IXXXII quality peoples at a liestify pa nye.

Jame COD for shall fining probs\*

01-33

01-330 7166

AMBUA TAAFE

# The Painting Corner

The property for time of publishing a consequence of the publishing published by the publishing of the

 $G_{--}$ 



### Total Mark Ball





### s Mar Mari

M P C SOFTWARE

mor E EN

# **Amiga Basic:** an Overview

Gestino to ours with a new Breis can be a downtone prospect. Here we try and help you on your way. By L.K. Gibson

The floor applied with the Army's

Accofull

Circle

Line

### Pon

This allows ment for local several and Page 1

I have grouped together became to mentary functions to me any point on any POINT allows

ed Redfort in

Screen and Window

There two discerneds produce, a source, exceeding to session human-human short which so be to a say of the unaded drapp resolution seeding freetries (480 Pred vertical reading technique). The time must done ones a sendow at what refers to the serious and serious

tool The section that could be a section as a section at section at the section at the sec

shere commands Scrott

The command allows a rectangle of almost asy see to be smooth in one decrease. The command is bread by the first that it is the deleted according to smooth it is proportionally a superior and any beckground.

commands name the graphy command Nov 131 rake a be speech command.

Stand Trn consunt is

med in Araga Bass observed scaled so be predicted in new of the empt four should showed frequently the sound of the empt four should show frequently the property of the empt four that we have been that are frequently arranged Vision for the details of the empt four and Vision for the details.

When a rearred in place of on the Army
the shape of the second in takes flows.
Whether the defined in second in takes flows.
Whether the defined in second varieties
and contrasts the type of second varieties
and contrasts the type of second in the
whole of the white the contrasts and
whether the proof of the white
versionable flow gives the other of
allowing the type of seconds produce
allowing the type of seconds produce.

will all MUND command. The annealism that you deliver as a more consuming at least 256 these as a more consuming at least 256 these as a more consuming to the consumer to the work command. The new nucleum, a time with the their time above you specify. Because note was dearn as a peal time the system memory to when they are no least reading to the comment of the standard and the charge of the BRASE command.

REEP
This commend is probably the mean formed of all the round commends between the conditions through the conditions are the conditions the conditions are the conditions are as a condition of the condition of

The SAY commend takes a view of photose code and special man according to a preference of a preference of the Trainty Wilcome Channel Most and Channel

TRANSLATER

wall owners ordinary lingles. Process codes for me, not command. This makes life of command they do special command they do special linearies the translator.

and your open or home account to make Amaga.

I mak

Done Files

of 

Analysi Beer can bandle into types of 
felt. Blc meanly RANDOM and 
SEQUENTIAL Threaters or 
SEQUENTIAL THREATERS OF 
SEQUENTIAL

SEQUENTIAL Threatevery employed up and use

SEQUENTIAL

Three filter are cause to use than

Record file last or developed to use

toward and stance. This is due to the force that date is a second or ASQUI sharesters. In order at access the Net proce of data intersector zero to N main be read that intersector zero to N main be read that Sequential Figs. that first be opposed with a mode specifier. This can be Black, Wise or Appeal You see that your a sequence of 200 and and the second or second or 200 and and accesses your a sequence to 3 and and

d PVIS at the same time. The life count plant he count and respect if a plant he closed and respected if a plant he county and the county

hore some changem to Read as a War of the War cost in so. The change is the change in the change in the change in the change in the same to the same to the change in the bottom of an adverse of the bottom of the

RANDOM Random tiles and shightly more

embernation to set up and use inquarisal face her the ben fittened may will make the extra committee Amigo Basia. Run the ser rest fau and are accurate nor models remater. The Astago Seriet micrometrics of the community are in the series.

Y. Patimetos

## Main Frees Menu

### Dilities Mean

LAST INC. Ten preparations were ALL REES The open deploysall of

MIND REC TEX opins allow for

DISK DIR The option grees a

Graphics and DOS

Europe Some 15 Com day of a

DECLARE FUNCTION Movel ! LINEARY Temphers Myselv

We add the A symbol to the end of

the second storage and expense property

Examples

Mark of Earnight I should be charge

SciAPenhirumperi Address, solver

FOR # - 1 TO 8

IF filmorest-"Seption." Trans

BYEN 7',97, TOKKES,",290 FDN 4 = 1 80 2



YOUR AMEGA 1905 2007

## Armehair Playground

It well as being an amazing hymness too the Annga is also a fantasine companion

I make poster comment to the first term of the comment of the first term of the first term of the comment of the first term of the comment of

plifty protection that work is a robust to proceed to the first best of the control of the contr

I hav contain the provincing and in the page that father that the coning provincing the page of the page of the page and each time the man father that is, the contains the page of the page of the page of the contains the page of the page of the page of the page of the contains the page of the page of the page of the page of the contains the page of t

All there were considered as most deal file of the figure that were a live of the live of

The man the manifest of the man in the man i



The length risk from a Constitute Finder program in the constitute of the constitute

The second secon

Commoder Congress of Management of Chapter of Chapter of Chapter of Management of Management of Chapter of Cha



One of the feeture that is pump to make farings person

Name Over to Over Printed 25 91 Machine Among Supplier Bigmaliy, 7735 Graphics, 6735 Physiology, 9735 Fisher



Dager, state or or chald are provided use. Open

New Stree Core Price 52593 Maybee Server Sounder

## MEAN GAME OF GOLF

Name Hear II Proc. 17991 Mechan Areas Suppley Organity 5/15 Gusta's V/O Broaking 2/10 Febr



Meaking desire Supplier Organity: 1/10 Graphy 6/19 Philables, 2/10 Julies

Archon

Water and though You are only play Ancton audi



e characteristic and those most to determine

two sides hight and slace. By getting close and vector go the appeared below and come ay with approach possible. The set of global colorations, available such farmours (see Section 1) and for the section of the section 1) and the section 1 and the section 1 and 1



## MARBLE MADNESS

When the Americ became public property the game Morbo Madami was included, accounted with it became the graphic served as an owis dense of what the computer could on New the clarest account to it is a radiable for all to play. Not mixture shows prophes in Personance mounted against account of the property of the play in the play that is a play to the play the play the play in the play th

De gene fich i recogenal by Workback - the Augcon prophelium automation in and yet medic rich it does not a prophelium and the second of the same atom. The opining states is whater yet realised in Herel for whom I have the general admiration and of the lafar fits given Second one or the processor may measured that the prophelium in the prophelium and the prophelium. The days deligible prophelium and the prophelium is a first prophelium and the processor of the prophelium.

Secret one the process run or married teath quit the Intelligen run and only when with labor guidness , these shinteness [purpless our certifier the companies of the companies of the control of the companies of the companies of the control of the control of the companies of the control of the control of the companies of the control of the control

seem on see modes, paided bits, more the 10 between 1, and 1, and

cannot controlled by the feet an operation has not of trans a tree or agreement plan. The feet and the second active of Lathy to come in a least feet of the second active of the Lathy to come in a least feet of the controlled active of the controlled of the second active of the controlled of the controlled active of the

On the OCCO Bits. Displaying a sould find detailed in the Mill count or the second statement allows. The same is displayed to the second statement and the same is in the same in the second statement and the same is problem as one subdeful against an intelligent and the same large second statement. The paths against a long second statement only accord inducts the same (ACM). The same is a same large second statement to the same is a same in the same is a long accord inducts the same is displayed as some the same is a same in the same in the same is a beautiful mill on these side and out images at some the displayed by the same is a same in the same in the same is a same in the same is a same in the same in the same is a same in the same is a same in the same in the

New Holls Holes Park CSH Makes Aven Occupates, ICAN Creaters SCAN Residient, 19715 Value

A-TALK"

. DIAL-A TALK Place disputy melid

It's easy to complain out advertisements And the second section

The Nottingham 68000 Centre

The Nottingham 48000 Certis is a new short compherals acies for 66000 based machines he Nottingham 66000 Centre



# **Page setter**

# FutureSound™



### the monitor; and of course, a Overfion: What can a 300 nound Right now, leading nativacy developers

come to expect from Amera software. round morefine regimes FatureSound the clear winger...

see for a rescriptione and one for depot recording, input volume course, buth well as edificial printer port; extra DISTRIBUTED IN THE UK IN

What about software? Fance Sound transforms your Armen

sariable sampling rates, visual editing,

Since ParareSound to IPF communities

Programming apport is also provided.

TRI CAMPUTER SAFTWARE Ltd

OFFICIAL COMMODORE AMIGA® DEALERS Toll 09277 6908 31 OAK GREEN, TANNERS WOOD, WATFORD, HERTS WIS 0PG

Applied Visions, Inc., Suite 2200, One Kendell Square Cambridge, MA 02139 (617) 494-5417

# Everyman's Guide to Graphics

Greekees are a fascinessee antication for the C64. In this comprehensive guide, we point the way to better

understanding and use of this facilities Rv Allen Webb

SD600-SD018

SDOOR

the RAM under the BOMs in

Changing the BANK

each buck mores from 50000 to

ROM DTC 50000 \*4000 SIMPLIFIED MEMORY

POLE 64LSCRIEN/256 where SCREEN is the start address of

Loting I silows you to reconfigure

1993's bytes for Bess and 144 spirites

screen occupies 1000 bytes and in divided into 64900 addressible points

I This revolution made

OK, we we done the sends work, left

character table compract of a



Liston 3

POW MAYEL BYO HOME DESPTE & LEFT, TH. 752-1720 LNG LOG LED LEN SEG. 141, 121, N. 100 LED LEN SEG. 141, 121,

6 199 987 9050 2000 persists pt 183,980,141 220,3144 250 3,770,74 250 4 3 104,750 2547 2000 person 400,380,1 41,255 138,1 180,0,277,988,749,280 180 0erson,106,4,133,041 11

133.1 180.25.171 (4.000,0

1100 ORTHIGH THE PRE LYS. P. CO. 1, 112 CO. 1, 113 CO. 1, 114 CO. 1, 115 CO.

10 FOR 1- PTOWN

POKE 51279, PREKISSZTOANDZIII

POSCE 53365, PETROTOSSANIDI

2. The colour senso

Multicelour on POKE 43270.

Multivolegy off POKE 53278

POKE BYTE PERKINYTE OR



## TASWORD 64

THE WORD PROCESSOR.80 CHARACTERS PER LINE ON THE SCREEN,



State of the state



programs shatmally can halfat own in professional. TASWCRD 64 is a new momber of the highly acclaimed TASWCRD basily of send projecting programs Lightly characters per fine on the someone by the control of the send projecting programs and the send of the send projection with the eightly-character deploy your least that WART FOLKES IN WHIST FOLKES WAST FOLKES WAST FOLKES WAST FOLKES CONTROL OF which was the send for that evaluating the first projection of the send for that evaluating the first projection of the send for the first evaluating.

You had spendingly at anyou set food on the owner. TAMPADD IF course complete with a quality is several to several complete with a quality is several post of the course of the course of the course post send processing. You're TAMPADD IS at Whether 1958 have someour post of the Whether 1958 have someour application or amply want to know about word processing. TAMPADD IS at an TAMPADD IS TUTTOR make it may and enjoyable IASWORD IS TUTTOR make it may and enjoyable.













## is slew and over complex. Larges 4

DE PORT-COOKS EN-N PERFUZISON DE BOAGN CHICKAA PERFUZISON

111,3939 C135 340407,520,180,381,141 64 500 172 536 3,046,6,173 1 C.726 6,1603

#180 0F183 741, 0.872, 173 32 E08, 41.883 141,17, 68:165 21

98,510,104 206,210,21

#230 041430,133,149,50,0,193 133,142,3,160,0,179 142,3,2

0.17-00,000 0000 001038 173.38.947,683 193.89.104.81.08.30.10.100,1 11.138.31.002 2000 04783,30,100 141,100,3 .30.10.300,947,138.0,170.128 .30.10.107 3,599,1579 5000 041472,37,36 138 146,17 1,2 30,18 1582 140,138 3,179 139.3 1582 8000 0415090 3 76 167 164 1

YOUR COMMODORS way 158T

Multipology mode 5YS 49152,1 CO. 3 Draw poors

C1 - pages pologe, C2 - wh

\$900 = 0 draws the point to paper

Without Houses & SYS 49151

FIRST DATASHAL AND 3,373,376 3 ,240 15,300 1,540,06,021,6 6 40,35,1813 2000 (813)45 1,580

80 812 16,1 26 11,25,0 30 31-1 F1-0-32-30 67-30,000

ADDRESS - (RANK\*16380 +

POINTER ADDRESS - SCREEN where SPRITE NO to From 0 to 7

Whither or not a same in visible is

To expend sprite SP as the Y

POKE 1921. PERKISIZTH OR Land agradient has the - XPOS-

POSE 53271,PEEK(50271) AND

POKE 532%, PERKISSING AND X Renatur = 53245 + 500°2

The X posters is defined in two

Selector Color Male

Setup Sprite

Scener 532M holds the orth POWE XREGASE

		16 500 140 16 500 55 40 5 5	- 10	200 141,3872 200 040/87, 869 56,30 155 25
				% \$10.0 14G 14F 3 21,25,197,
				PRE SACARISTAN INVESTOR
				15,212,000,008,000,00,000,00
				9,160 111 84 8160
				2000 Delette Se Tri 38,000.0
				5, 30, 200, 171 NO THE STR. OF M.
				107,1892.00. 2029 2020 provide 129, 104 105, 20.0
				\$5.00 DECKSE 134, 254 256, 80.5
		FIRD DATABLE BE DAY THE BE TO		\$200 OKT #139, 139, 185, 22 132.
	5949 Brings ter, Mr. 198 129	1 180 DAIANE ME 2VA 200 AL 13		
	26 273 229, 200 82 184 82 296	N. 24-126-1250 201-173,136		3 39 cts (024
				5 O CCI PAG TON TENTAL DATA
				23,92,2.100 ten 50 179,54 to
		253,54 (45 253 233 0 123 23		
				2320 0474551-05 00,710,5351-2
	2000 BADALTS, 134 3 153-9,268	23.2 140. FTG 240 253 604,176.1		
	173 136 1 200, 750, 2 200 173			
	178 38 1 000, 750, 0 000 173	2002 DODGE 131-151 255 80 1		
				TE 133 3.163,26,366,30 678 6

EVE AND SPLITLAG where

DOLDURY - Mutacaleur 2, male

50175 and changers at 51200. The

## Sprite Editor

Any serious games programmer needs a sprite editor to and design. This program should make working with Ry Rrian Rhodes

Senate programmes are always

SH: Shelvel

0 Deby befase + or - fased in

F. Paneress (cooper persons names to HOME: Home CRSR

- Equalizate because of the satura of

Off All spens follow god

the Newdy made. The CRSR have to

Additional Notes

Numbers 1-7. Change controlled

2 Bullerand Colour The is the

3. Norwall Mode Colour 3: Then is the 4 M/C mole Critics 1. This is the

7, Lowest Societ Delete Wouncome

VOLIR COMMODORIE may 1987

## C64 PROGRAM

54	12,000,187,7135 92 86.8 173,66,999,161,136,7 ,167,7,169,16,30,150,935,84		81 (1,00) (10) (65,0,1-1; 4,15 ) (1,15	¥	\$20 DWTW \$35,227, 74,132,132 173, 48, 797, 73,282,147, 461,4 179, 402, 6,245 \$10 ARTE \$49,222,197,260,7 \$2,121,23,73,76,146,295,16 \$10 ARTE \$49,222,195,260,7 \$2,121,23,73,76,146,295,16 \$10,100,100,100,7,22,232,7 \$2,221,100,100,100,7,22,232,7 \$2,221,100,100,100,7,22,232,7 \$2,241,100,100,100,7,22,232,7 \$2,241,100,100,100,7,22,232,7 \$2,241,100,100,100,7,3,295,122,3,7 \$2,241,100,100,100,7,3,295,122,3,7 \$2,241,100,100,100,7,3,295,122,3,7 \$2,241,100,100,100,100,100,100,100,100,100,1
24			MG SATE 543,755,721,65,340, AT,165,734,761,761,701,154,74	10	199,162,6,2253 638 SATE 189,395,599,210,7
100	49,33,30,310,255,136,200,248	78	175,000,192,000 170 0979 060,40,141,200,153, 173,023,153,109,0,141,201,15 /		10,155,215,1502 1-0 5A75 156,198,7.18,818,1
			3,84,113,243,2354 356 EATS 113,100,40,101,205,		32,261,162,3476
36	18, 20, 360, 373, 16, 160, 200, 184, 22, 353, 184, 163, 164, 184, 125, 186, 184, 125, 186, 184, 187, 187, 186, 186, 187, 187, 187, 187, 187, 187, 187, 187	22	4,193,180,0,2263 FOR DATA \$33,234,76,130,183,		9,244,180,240,7,77,710,233, 37,78,337,2433
24			9,70,154,2106		05,187,141,36,199,183,0,18
83	165,24,165,1855 846 6879 185,105,40,533,169,	10.	7,85,70,2825	2	570 BOA 7 37, 210, 232, 232, 1 220, 183, 173, 57, 149, 32, 231
10	40,733,147,7564 130 8478 169,4,123,256,169,4			(A	0.204, 780, 780, 782, 710, 733, 324, 247, 247, 247, 247, 247, 247, 247, 2
68	127,192,330,225	21	218,235,145,0,541,25,345,445 A	ю	15,25,29,1617 810 DETA 39,15,29,25,29,29,
	2,234,344,253,343)	а	1000 235 2476 27,08,729,240,6,72 219,237,169,0,511,25,365,6,6 8 432 8455 23,200,185,6,140,22 ,586,160,1;41,134,5,763,0,1 2 85,62,837	7	500 DHTM 32,52,73,76,50,83, 4,13,29,29,25,25,29,53,50,5
1	46,3,189,149,71,300,192,160, 78,164,254,3455	2.8	642 BATK 187,137,64,8,732,72 4,78,200,763,185,0,(33,64,7, 5	4	710 Dets 11,21,20,20,10,107,01
66	746, 761, 163, 163, 163, 163, 163, 163, 163, 1	43	3,50,187,157,0,206,732,774,1 3	4	FIE Date 18,28,20,20,107,00 ,107,107,107,107,007,107,00 ,107,107,107,200 728 EATE 287,107,107,107,10 28,20,20,20,20,20,20,20,20
	162 2454 116,77,156,230,232,162,252,261,4	63.	0,704,763,7050 260 8674 185,62,743,74,753,751,1		24,14,34,24,25,25,19,19,15,
#5	100 3ATA 0,131,234,32,124,19 1,76,190,192,24,148,7,162,0	31	27,328,165,2807 670 3674 15,161,364,7,133,16		750 FATS 61,32,40,57,36,34, 2,44,82,73,65,78,52,83,12,4
13	100 Gata 250, 249, 6, 161, 226, 2	61	1,5,88,1825 480 363A 169,128,133,131,32,		12.29,29,33,74,73,72,44,52
C6	109, 20, 200, 213, 10, 207, 201, 20, 207, 201, 20, 207, 201, 20, 207, 201, 207, 201, 207, 207, 207, 207, 207, 207, 207, 207	0	43,193,141,3341,23,304,133; 3		19.07.19.19.19.14.71.71.71.71
29.	50,1534 200 me78, 145,92,32,32,32,32,32,32,32,32,33 20,153,133,150,153,133,32,32,33 3,18,153,1538		0,726,203,2000  40,005,105,2000  40,005,105,2000,105,2011,105,2011,105  40,005,005,105,106,105,2011,105,105  1,105,106,105,2016,105,105,105  40,005,105,2016,105,105,105  40,005,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105  40,105,105,105,105,105,105,105  40,105,105,105,105,105,105  40,105,105,105,105  40,105,105,105,105  40,105,105,105  40,105,105,105  40,105,105  40,105,105  40,105,105  40,105,105  40,105,105  40,105,105  40,105,105  40,105,105  40,105,105  40,105,105  40,105	0	GENEAU CHERTAIN
	3,18,150,1338 260 DETA 200,4,20,100,64,32,		1949,333,7,569,0,341,39,700, 71		100000000000000000000000000000000000000
02	210,255,3658 40,255,3658 230 DMTs 184,83,103,32,216,2	17	5,189,0,140,63,199,141,43,19 00 5,173,47,1960		\$1.000 (b.000b) b; b; b; b; b;
63	3,18,10,130,24,26,100,66,12,260,000,100,260,12,210,000,60,12,210,000,60,12,210,000,60,12,210,000,60,12,210,000,60,12,210,100,100,100,100,100,100,100,100	51	N. 302. 167 9. 189. 9. 189. 0. 161. 60, 10 9. 189. 9. 161. 162. 189. 161. 187. 19 0. 193. 47. 189. 100 mrs. 189. 561. 30. 209. 173. 68. 189. 161. 34. 200. 189. 0. 161. 71 21. 300. 12. 1870		922 290,0474,32,67,29,74,79,65,1
	52,1374	83	28, 300, 32, 5370, 74, 50, 104, 32 392, 392, 402, 50, 183, 73.0, 393, 74 18, 279, 183, 60, 183, 73.0, 393, 74 240, 387, 378, 330, 332, 74, 10, 1 83, 163, 6, 183, 69, 74, 346, 7, 13, 71 240, 320, 133, 134, 134, 146, 7, 13, 71		1,11,00,00,00,00,10,10,10,10,10,10,10,10
33	165.81,142,300,197,159,4,146	1.3	340 0878 318,333,332,76,10,1 53,163,0,183,83,194,340,7,32 78		2,38,47,32,0,15,39,39,39,77, 783 518 8474 47,47,73,76,32,55,4
TE.	215,141,256,193,169,0,150,15	515	350 0674 332,76,76,165,665,1		110 BATY 47,42,75,76,52,55,4 4,22,0,15,29,19,19,77,47,47
4.7	99, [15] 276 DATE 19, 137, [15], [337, 237, 165, [1, 161, [105, [17], [395, [16], 167, [1, 161, [105, [17], [395, [16], 182 EATE 11, 561, [221, 187, [36, 215, [34], [261, [37], [395, [45], [35], 215, [34], [261, [37], [395, [35], [35], 215, [34], [361, [361, [36], [37], [37], 225, [361, [37], [361, [361, [36], [37], [37], 235, [361, [37], [38], [38], [38], [38], 235, [38], [38], [38], [38], [38], [38], 135, [38], [38], [38], [38], [38], [38], [38], 240, [38], [38], [38], [38], [38], [38], [38], 240, [38], [38], [38], [38], [38], [38], [38], [38], [38], 240, [38], [38], [38], [38], [38], [38], [38], [38], [38], 240, [38], [38], [38], [38], [38], [38], [38], [38], [38], [38], 240, [38]	4.7	200,007,130,00,165,165,165,165,165,17 10,32,300,307,135,151,142,0,0 10,140,100,350 300,0073,100,750 300,0073,100,750 300,0073,100,125,00,210,235,21 2,76,45,105,125,44,105,33,20 x 1,35,141,1231		Newschild Committee of the Committee of
72	100 EATS 200 E 181 PE 174 174 45 45 45 45 175 No. 187 176 176 176 176 176 176 176 176 176 17	12.	17 187 141, 2234 377 DRTA 46, 189, 162, 0, 180, 12		130 000 001 001 001 001 001 001
33	100 EATS 340,18,381,44,340,1	10	1,131,141,227,3 170 DATA 06,170,162,0,180,13 1,766,190,2,70,70,70,135,232,7 1,66,190,228,3 380 DATA 173,5,100,135,103, 171,141,60,130,131,0,133, 171,141,60,130,131,0,131,0 171,141,731,731,0 175,140,7,271,0 175,140,7,2 17		Mark Children and A
4.0	0.00 EATS   700, 10, 301, 44, 340, 1 2,174,48,106,76,107,119,134, 46,794,78,215 200 EATS   145,134,47,104, 145,146,37,106,183,134,47,104, 145,146,37,106,183,236,33,35	10	176,140,7,2118 196,140,7,2118 198 DATA 32,340,335,332,75,4		
71	\$,7,[43,111,2214 130 087A 200,12,199,183,76,T				
rp.	% 164,[78,5517 Mc Data 166, 64,230,256,230,		800 Berr 182 8, 189, 187, 198, 2 40,7, 32, 200, 335, 232, 76, 134, 7 55, 173, 47, 233		870 CATH \$3,44,32,32,61,83, 2,72,84,44,32,66,49,70,79,6
100	#, 157,111,214 130 307, 200,12,009,183,78,17 20,197,183,0,444,72,395,150, 8,144,172,335, 340 307,154,46,350,78,134,46 20,233,78,164,45,78,134,46 310 387,47,154,135,78,154,25	12	#10 DETA 199,72,201,197,101, 47,199,182,0,189,204,119,340 at 47,12,290,7251		,1100 000 0475 4747747747347467467467 5,02,77,23,747,657,657,657,676
-		-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	

## C64 PROGRAM

_				
F.,	la ses aconcessos	114.55,199,224,0,249,12,24,1		1,186,06,173,62,100,001,0;
20	AND TATA 0,0,0,0,0,0,0,0,0,0,0 AA 1,125,0,125,0,125 100 101 115 11000 1110 0,0,15 100 101 101 101 101 101 101 101 101 101	11 L.35, 199, 2N.0, 209, 72.N, 1 17 L. 10, 178 17 L. 10, 178 18 L. 10, 178 19, 18, 19, 19, 18, 18, 18, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19	LC	1,186,06,173,67,166,009,0,3 8,1,18,1802 8,18,1803,30,200,173,60,191
77	42,0,0,112,0,0,13,0,0,833	35,389,17,8905	66	201.0,585,15,200,87,599,37 8,356,56,3856
1	124,24,112,12,12,104,165,151,15	,047,130,2,630,06,172,52,199	44	1,150,007,157,153,0,007,65, ,70,700,306,65,159,007,65, ,135,0,206,65,159,007,65, 1610,007,762,773,00,161, 07,762,77,0161,172,66,159, 07,0186,7000,172,67,199,700 37,366,3,76,10,781,274,87,
	THE RESERVE THE PROPERTY OF	1100 EASA 173,57,195,845,52,	xr	1610 0078 755,56,733,96,141
4.9	236,34,0063	111.13.1941	58	05,6,180,2030
	#100 CHTH 191, 98, 751, 36, 252, 3 LF #1351,58,132,58,251,56,252,6 #1773,48,1303	5,0,45,0,0,5,6,6,564	23	\$7,\$96,5,76,70,281,236,62,1
83	010 DETA 199,000,27,72,152,7 2,172,50,199,885,177,197,001 ,735,508,4,2778	100 131 0.0.0.0.0.0.0.0.1.23 10.45.0.0.5.0.5.1.23 173 EATH 182 1.560,17.30,11 100.101,100.5.155,10,12,10	70	1,173,0,1912 1400 GATS 308,06,105,6,063 ,006,78,70,200,173,62,193,2 1,27,398,1808
100	735,200,6,7378 LG 0 14 3 LS	120 081 192,13,000,000,232,230,0,200,332,330,0,200,333,00,22,15,152,127,66,157,170,2334,170,200,200,200,200,200,200,200,200,200,2		1,32,398,1898
	731,200,4,773, 510,671,500,723,141,0,141,3 5,200,700,740,720,770,164,08 ,120,70,40,3853 940,670,720,731,12,12,12,5 15,14,17,12,13,13,13,13,2 272,873,773,142,54,674,670,74 233,142,3,142,54,694,600,74		30	195, 130, 61, 155, 13, 6, 164,
8.2	960 6478 235,11,11,12,12,12,12,13.	6,100,175,32,127,183,37,138,	CX.	1505 16 1634 1508 1615 341,0,000,75,70,70 1,173,63,199,506,5,76,50,50
2.0	272 EATA 17, 11, 11, 0, 0, 0, 0, 0, 0	1366 DATE 235, 248, 251, 281, 15		,250,83,199,200,5,76,99,30
67			NE.	13,6,761,1,800,76,70,200,11
	10,144,7,707,147,54,199,76,2	4,5,79,710,3464 4,5,79,710,3464 1310 DATE 182,200,345,288,3 76,22,204,381,17,596,5,70,45 ,200,382,7004	50	1520 BATA 201, 10, 184, 5, 76, 7
EA.	090 EATS 203, 142, 86, 149, 76, 2 13 3, 100, 343, 0, 50, 233, 100, 144, 4 131, 10, 160, 1			1,272,42,195,204,5,17,36,20,20,50,20,20,20,20,20,20,20,20,20,20,20,20,20
100	150, 14, 1401	1,0,181,2082 0,0,181,2082 1271 BAX 32,240,28,203,180, 340,28,140,1,208,28,346,14,5	39	1117,60,400,204,7,16,45,65
	130 DATE 133, 507, 141, 79, 196 23 138, 157, 51, 159, 100, 173, 19, 1 94, 195, 180, 181, 1991	340,79,160,1,800,89,546,14,8	EL.	1340 0474 141,41,797,76,173
000	1018 SATA 6,38,233,18,346,4, 50 232,76,1,186,160,78,796,136,	11,049,040,7147 1101 2438 [9],164,7,781,77,74 4,471,40,500,314,84,800,9 41,44,1737 1189 843, 248, 27,70,119,200,1		3,193,24,1972
15	153,50,1714	41,46,1737	7.6	188,060,20,709,173,62,200,5
110	1021 8414 199,100,173,79,194 AM .163,100,162,0,30,233,1,164,4 .131,76,186	40,3,000,50,340,14,181,56,34	85	1360 DATA 100, \$1,100, 141, 51
15	109 BAS 23,188,138,133,31, 76 109 100,0,151,30,199,76,125, 48,155,51,140 100,0 BAS 150,12,210,215,708 46 220, 94,195,216,155,154, 11,218,155,160,256	0,12,000,1004 1300 BATA 4,001,51,140,4,001 13,400,3,76,53,100,003,130		199,123,62,795,45,7,141,52, 09,180,7,1400 1370 CATA NA 237,53,109,178 115,1234,0,546,3,16,281,76 115,166,187
١,,	44,155,51,1140	208,1,1346 1500 BANA 34,40,200,000,81,2 08,3,76,198,500,101,82,208,5	314.	115,1,274,0,840,3,16,281,74
	(200,94,195,206,136,165,164,	04,3,79,199,300,181,47,268,3	46	1500 DATA 161,97,199,317,31
	1000 347A 64, 141, 119, 1, 13, 21, 60 8, 239, 340, 346, 231, 13, 340, 70, 201, 24, 246, 2310	,78,6,350 1300 007A 190,901,93,308,3,7		1850 BATA 161,87,109,919,3 48,17,100,8,246,15,152,161,0 9,17,251,7381 1860 BATA 77,22,109,146,281 18,146,100,172,57,100,146,281
	200, 80, 240, 2330	6,277,302,200,367,686,3,76,2 37,682,200,5400 1350 08FA 42,568,3,76,64,563		78, 110, 209, 172, 57, 150, 169, 2
1011	201,38,178,352,178,54,159,35	,321,19,288,7,79,213,286,200	31	1600 DATA 189, 040, 52, 008, 191
00	12-70 092A 153,31,199,249,157 17	1350 0878 A7,000,73,75,00,202 321,10,208,3,79,213,200,200 1547,120,2009 1540 0878 3,78,210,200,201,6 0,200,7,78,261,204,201,48,20 6,3,78,2056	10	0.205,172,51,1405
	200, 30, 300, 3330 1000 7837, 40, 200, 46, 104, 250, 12 201, 81, 112, 352, 112, 54, 195, 15 12, 100, 213, 203, 100, 240, 137, 17 73, 110, 233, 130, 31, 195, 23, 21 0, 23, 160, 160, 200, 100, 200, 100, 100, 100, 100, 10	4,3,76,2058 1300 DRTA 65,300,200,70,208		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	127,786,36,2644	1550 DRYK 45,200,000,70,000, 5,70,307,200,336,70,0,104,32 ,51,200,3565	26	1620 DATE 15, 200, 55, 750, DR. 9, 171, LNS. 9, 171, LNS. 200, 56, 190, 180, 7.5
01	1500 DATE 184,564,157,32,330 4P ,255,39,210,255,569,164,52,2		30	64,5,173,1685 1836 DATE 27,199,333,151,96.
74	137, 186, 54, 244, 137, 37, 332, 46, 231, 137, 137, 332, 46, 231, 137, 137, 137, 332, 46, 231, 137, 237, 237, 237, 237, 237, 237, 237, 2	91,000,1881 1360,0818,168,0,174,54,373,1 2,769,386,382,128,235,246,231 100,121,186,184 1170,0818,4,124,179,78,93, 155,201,45,384,6,234,35,159, 155,201,45,384,6,234,35,159,		17,33,199,7969
ш	30,290,230,78,03,296,173,34 ,000,201,3,200	15,506,43,206,6,218,35,159,	50°	37,199,144,3,74,1,292,173,56
, Ou	13,24,195,381,2,846,13,72,24	1942 DATE 102,000,69,208,377 200,29,179,76,43,200,162,2, 100,27,29,204 1796 DATE 12,360,715,687,0,1 65,114,180,346,7,32,100,235, 132,14,181,284,3	20	109,133,1846 5030 BATK 151,78,58,283,176,
	109,173,1831 1130 Ents 56,190,381,1,240,3 11 131,28,190,173,54,190,186,3, 161,0,1783	199 fATA 32,340,335,467,0,1		39,149,724,0,240,11,160,240,
	100,0,1763 1130 EATS 70.0,197,182.6,18. 70	130, 15, 181, 2343	*1	
	1138 EATL 70.0,297,182,6,36,76 187,50,199,233,44,133,36,096	,40,69,75,65,49,17,17,157,15	45	Leve nerk as 199, 24, 508, 83, 1
2.7	110, 141, 150, 150, 150, 151, 27	1838 BASS BST, 187, 187, 187, 187, 187, 187, 187, 187		
r.	100,776,1004 1100 BATA 38,700,78,718,185, 75	.44,47,1538	and .	
111	174,32,199,224,9,246,5,24,18 1,35,19,184 1180 8414 20,202,76,232,798, 94	133 845 148,117,187,187,187 2,137,137,537,537,187,187,187,1 27,157,6,18,184 11,157,6,18,184 1450 8674 68,215,187,0,186,2	CE	1400 EATH 250,240,7 54,237,5 1400 EATH 250,240,7 54,237,5 14,00,1865
C7	1100 BAIL 20, 202, 70, 232, 190, 94	1450 1673 68,229,182,0,136,2		

### C64 PROGRAM

Oil.	1700 BATA 19.302.75.73.402.1 1		1932 BATA 249, PK, 92 , Tio. 1 %	1.0	21-2 MATA 200, 6, 52 k9, 201 ,150 200, 12, 13, 100, 75 to 6 8, 173, 18, 1860 2192 3672 100, 60, 201, 60, 13 13, 170, 200, 101, 100, 101, 130
	1700 BATS 19,300,78,75,900,7 1 41,55,195,196,1,948,45,197,7		46,199,200,18,2,941,13 141, 46,199,76,5853 1763 BASA 503,704,76,144,201		
	1710 BASK 192 5. 262,60 (92,6 7 160,110,2231,155,171,251,			-	
			2 min		
	45,51,144,2911 1792 BANK 304,319,131,002,3 0 37,52,150,411,74,753,159, 1792 BANK 304,171,741,753,159, 1792 BANK 304,759,740,751,761,751,751,751,751,751,751,751,751,751,75				46.6,16.1,7172 7102 max No. 166, F, Pa, S18, 5, 169, A, Fe 116, 205, 100, 1,1, 17, 36, 168, 1 2770 max 12, 122, 209, 181, 6, 16, 130, 13, 136, 235, 231, 1, 16, 160, 13, 136, 235, 231, 230, 103, 16, 100, 16, 181, 13, 230, 103, 16, 100, 100, 100, 130, 12, 230, 103, 103, 104, 105, 105, 105, 105, 105, 105, 105, 105
					16.16.46.2111 1290 0074 159.76.107.199.1 150.186.4.12.139.136.705.1 180.500.19.2094 1300 0678 150.4.72.175.394 0.3.186.200.135.100.4.73 0.186.70.135.000.135.100.4.73
	\$23,23,33,34,362 120,45,45,25,15,199,122,31,7 104,45,15,102,179,122,31,7 104,16,15,20,302 104,161,102,302 104,161,102,302 104,104,104,104,104,104,104,104 104,104,104,104,104,104,104,104 104,104,104,104,104,104,104,104,104				
				95	111 (411 172 18 18 18 17 18 111 (411 172 18 18 18 17 18 111 (20 18 18 18 18 18 18 18 18 18 18 18 18 18
	5,75,25,375,2502, 170,260,500,100,400,200,200, 177,26,700,600,500,301,301,90, 170,600,700,600,500,301,301,90, 170,600,700,700,700,500,500, 170,600,700,700,700,500, 170,600,700,700,700,700,700, 170,600,700,700,700,700,700, 170,600,700,700,700,700,700,700, 170,600,700,700,700,700,700,700,700,700,7		Sold min for year, 171, 00, 100 100, 100, 75, 75, 100, 100, 200, 15, 7 110, 100, 100, 72, 100, 100, 200, 100, 200, 100, 200, 100, 200, 100, 200, 100, 200, 100, 200, 100, 200, 100, 1	91	118 fath 192,75,71,296,73 61,191,74,44,661,61,25,47
			1,0,00,70,00,00,00,00,00,00,00,00,00,00,0	04	3310 DATE 12,77,79,48,48,1
	61,555,162,9519 0,555,162,9519 1610 5615 6,189,13,895,140,2 9				
	0,155,162,3519 2418 EATH 0,180,15,303,160,2 b 1,19,210,235,215,78,1,503,78			21	
	122 BATA 74,17,157,157,66,6 1				
	197,0519 630 8819 260.9,160.0,163.21 7			80	
					135, 137, 137, 139, 1303 236, 087, 12, 163, 163, 163, 163, 163, 163, 163, 163
			135,1361 2000 GMZA 133,157,157,157,157,157 7,107,130,130,130,83,83,83,44,4 7,40,23,44,110 7500 GMZA 58,171,84,83,195,549, 0,141,52,193,141,53,195,549, 30,141,1444		
			7116 DATE 0,200,567,66,561,1 200,78,78,789,180,4,187,0,1 25,35,188, 2158 DATE 200,100,64,200,340,78,97,189,189,27,180,27,18,3		2364 5575 74 10 1 10 1 10 1 10 1 10 1 10 1 10 1 1
	\$ 1,000,150,440,200,000,724,44,1 \$ 1,000,70,700,700,700,700,700,700,700,700				
	[18] [18] [992] 18] [18] [19] [19] [19] [19] [19] [19] [19] [19		2,100,230,281 1132 6612 141,0141,47,305,1 10,712,230,113,217,34,2,551 10,727,722 1146 6618 235,286,251,175,58 149,21,213,101,101,228,255,2 40,751,201,46,258		
			40,71,700,48.508 2150 808 544.141.100,12,116 ,123,101,38,101,11,44,299,78 ,97,199,57,701 1160 807,63,41,44,79,11,71, 11,18,12,49,72,50,17,177,10		
				14	
	200, 183, 18, 100, 24, 21, 204, 1 18, 40, 100, 16, 201, 204, 21, 204, 1 18, 41, 100, 16, 41, 100, 18, 42, 20 150, 0878, 110, 200, 224, 11, 248, 4 2, 182, 2, 163, 100, 16, 12, 2 60, 124, 45, 2010, 201, 12, 12, 2 1200, 1878, 120, 200, 14, 248, 14, 2 2, 162, 40, 2010, 100, 14, 24, 14, 2 2, 162, 40, 100, 14, 2, 100, 14, 2 2, 162, 40, 100, 14, 2, 100, 14, 2 2, 162, 40, 100, 18, 201, 184, 174, 2				
	63,199,266,2060		13, 12, 19, 17, 10, 13, 11, 11, 11, 11, 11, 11, 11, 11, 11		
	1546 LATE 18,174,45,159,232, D 220,10,220,202,0,442,45,10				
	1950 (AVE 16,114,64,199,332 E 234,26,208,3,162,6,343,66,1 86,76,107,253		2270 0474 221 76 218 200 321	73.	3 175 756 2170 2500 Main 127 40 120 200 H
	86,76,107,2633 1968 BATE 204,174,60,107,200 E 16,136,63,107,202,16,2,182, 53,163,63,107	5	7516 0877 181,7,000,5,79,150 200,7311,7,000,5,79,47,737,13 7506 0817,780,78,79,407,7805, 7506 0817,780,780,7805,7805, 7506 0817,780,7817,7805,780	73	

20	1509 BATE 29,200,73,1,941,16 60,200,573,62,399,100,564,36,2 00,41,199,036 2509 BATE 200,0,0,100,000,0,10 83	0,308,177,44,199,141,46,564,	10	3378 BATS A3, 599, 541,49, 3 141,41,298,161,49,708,541 256,76,93,1673 256,843,199,199,0,0,0,0
64	8,708,0,908,308,0,285,308,0, 306,286,2975 2338 3875,4,306,386,0,306,38 78 8,5,388,206,6,387,286,9,388	15,341,38,1849 15,341,38,1849 1360 5578 788,133,20,708,23	55	
L	NUMBER OF THE PARTY OF THE PART	(800) 1000 1000 1000 1000 1000 1000 1000		.0,0,100,0,10,0,0,0,0
10	10 FE-111 131-91 (SA-211) 32	748 PATA 163-131-151-21-106;	ri	440 3454 324374324324324
30	10 FEATO 18-92 SALVIST 32 29 FOR 1-0 TO ALICE-0 FOR D- 0 10 13 BOOD A CO-COM FORE 87	102,0,160,15,36,33,960,350,1 40,14,140,1656 236 8418 892,12,30,171,142,9		462 BADA MENDENDENDENDENDENDENDENDENDENDENDENDENDE
35	10 MA-191 LB-92 MA-201 N2 4 59 FOR 1-0 TO ALICE-2 FOR D- 0 NE 15 EDGS A EX-EXA FOR: 87 14-12-8-1, 1 MORT D- 15-12-8-1, 1 MORT D- 15-12-8-1 MA-12 THISP DAT 15-12-8-1 MA-12 THISP DAT 15-12-8-1 MA-12 THISP DAT 15-12-8-1	162, 1, 16, 18, 28, 72, 262, 253, 1 20, 10, 100, 1656 206 SATE \$22, 12, 20, 271, 162, 2 ,100, 8, 52, 30, 303, 168, 50, 162, 100, 2637 162, 160, 2637 263 SATE \$22, 20, 171, 165, 156, 3	50	
30	10 FEATO 120-32 (SE-2002 NZ 5) FOR 1-0 TO ALLES-0 FOR 3-0 TO 15 RODO A EX-CENT FOR 3-1 TO 15 RODO A FOR 3-1 TO 15	100, 100, 10, 10, 10, 100, 100, 100, 10	50 FW.	A STATE OF THE PARTY OF THE PAR

### C64 PROGR

10.	74,165,204,7244 100 cu72,05,204,134,163,153, 164,131,200,13,216,235,164,1 14,331,239,235,164,1 200 carr, 161,137,22,20,133, 76,167,132,162,153,130,222, 100 carr, 162,163,131,130,222, 100 carr, 163,164,103,130,232, 100 carr, 164,103,130,130,232, 100 carr, 164,103,144,103,130,130,130,130,130,130,130,130,130		{\$1,11,12,12,12,12.0,12,63,78,	66	1220 DUTA 31,64,73,64,79.
ND.	144*111*1504*15*510*533*184*1	76.	HAMMARIE PROPERTY		1220 DETA 33,64,73,04,79 23,45,72,15,0,169,231,163 2,37,1363
TA.	700 DATA 185,137,12,729,333,			82	0,12,1342 1190 0458 38,474,169,24,1 6,134,30,179,160,130,147 3,0,045,9,703 1240 0451 559,1,144,720,1 79,45,105,0,35,84,729,78, ,003,149,1656 1150 0407 6,341,128,213,1
	26,167,297,165,15,31,150,232	79	2,0,547,50,50,50,50,51,50,51	D4	2,2,262,9,270) 1260 0076 100.1,161 100.1
16	71D DWTA 67,700,33,174,167,1	44	\$40 pure 33 33 33 13 43 44 3		74,65,105,0,10,84,239,28,
	200 0400 3 150 150 150 150			35	033,149,1850 0,13,149,133,189,4,170,18
	89,132,983,169,2284 720 2878 15,132,166,133,183, 669,6,133,180,12,163,223,33, 2]6,232,78,1696	27	500 Sets 65,65,17,137,137,13	-	
83	750 EATS 12,007,149,147,22,2	40	1000 MEA 137,163,163,163,163,16	23	
60	120,253,164,2100	40	3,303,163,163,163,163,163,16	29	1279 LATE 183, 946, 187, 32.
	3,230,140,231,633,187,549,0,	12	7,587,183,183,183,183,183,183,18 7,887,183,183,187,17,30 1060 8454 17,17,17,17,17,17 30,10,20,72,72,72,78,68,74,6	14	1205 6ays 255, 12, 120, 255, 254, 160, 255, 268, 163, 275, 268, 163, 275, 275, 275, 275, 275, 275, 275, 275
CQ.	732 EATS 233,133,683,185,5,1		5,861	10	163, 6, 136, 166, 163, 0, 134, 1
	33,166,69,94,133,165,32,213	6.5	1000 QMZA 77,69,0,33,64,73,3 X,E,549,19,160,109,32,30,171	22	1592 BATA 162, 25, 252, 111.
	75. 122 237. 160 345 300.45. 14	40	1830 0074 16 141 47 166 32 1		210, 355, 15, 161, 161, 161, 169, 17
	0,6,132,931,2365		27,287,197,0,288,3,76,262,50	C6	139 MAIA 167 28 242 111 211 125 145 145 145 145 145 145 145 145 145 14
	201.25.75.1100 201.25.75.1100 201.25.75.100 201.25.75.100 201.25.75.100 201.25.75.100 201.25.25.100 201.25.25.100 201.25.25.100 201.25.25.100 201.25.25.100 201.25.25.100 201.25.25.100 201.25.25.100 201.25.25.100 201.25.25.100 201.25.25.100 201.25.25.100 201.25.25.100 201.25.25.25.25.25.25.25.25.25.25.25.25.25.	03	1000 0000 16.141.67,104.27.1 27.207.197.0,200.3,76.202.50 3.142.69.1408 1640 0078 104.662.8,169.128.	16	,233,162,9,2123
cu	782 EATS 180, 191, 191, 191, 145, 145, 169, 172, 169, 193, 193, 193, 193, 193, 193, 193, 19	65	100,000,2,32,17,100,2,32,1 100,007,100,2 100,007,100,2 100,007,100,2 100,007,100,3 100,007,	26	1310 2072 163, 166, 391, 167, 187, 187, 187, 187, 187, 187, 187, 18
	121,145,103,1631	10		14	1110 DATE 311,100,200,58,1
30	72,145,103,031 700 0878 221,80,296,79,204,1 86,144,200,34,139,240,4,32,2 10,135,44,713 800 828 164,733,149,13,32,2 10,273,653,107,391,13,20,4, 182,9,20,2097 812 6333 165,122,46,244,849,0	45	1964 6878 13,797,133,151,166		3,34,103,64,96,169,6,141
CE.	10,255,24,2725 800 BATS 160,232,165,13,32,2		231,134,167,166,212,136,188	69	1110 Outs 80,061,236,117,
	10,235,665,697,291,63,240,4,	51	167, 231, 201, 0, 1446 1670 Orts 248, 201, 301, 255, 20 8, 14, 160, 0, 131, 131, 168, 44, 13 3, 232, 76, 121, 3467	F.L.	333,112,177,230,943,235, 200,177,234,140,2745 1548 5A14 256,112,200,177, 1,141,737,112,271,274,312
65	812 EATS 185,12,44,244,049,0 ,135,144,74,20,187,165,203,2		3,932,76,121,3467		
74	67,64,900,3665	**	2080 EATK 500,30,9,140,230,1 50,72,5,902,142,6,565,8,160, 333,23,1730	70.	7,151,172,233,113,0920 1730 2A33 143,231,172,234,
14	TOR, 250, 113, 100, 200, 64, 200, 3	70	333,33,1720 3090 DATA 180,255,173,69,304		
99	23 245 125 125 N. N. N. R.		1234114121313131	61	1,100 MIA 117, 230, 100, 177, 1,173, 233, 112, 240, 100, 141
	133,184,76,20,207,163,203,2 01,64,204,1645 630 3A10,236,465,265,260,60, 206,236,135,260,500,64,260,3 34,75,66,260,276 630 3A10,167,12,32,32,32,12, 30,72,72,30,30,32,32,17,32,3 2,412	#C	233, 233, 233 2906 643; 186, 235, 177, 64, 204 162, 186, 116, 132, 35, 359, 275, 162, 186, 116, 132, 351 1100 643; 189, 187, 72, 72, 62, 1100 643; 189, 187, 72, 72, 63, 1100 643; 184, 186, 160, 160, 163, 110 643; 184, 185, 183, 183, 183, 66, 23, 134, 163, 184, 183, 187, 187, 288, 188, 188, 188, 188, 187, 187, 288, 188, 188, 188, 188, 187, 187, 288, 188, 188, 188, 188, 188, 188, 188		
29	17,157,157,155,165,165,165,165,1	az.	3,30,470,160,3000 1830 BATS 18,300,18,300,07,3		0.123,436,117,063,151,200, 3,227,312,145,351,1478 [340 defa 122,333,111,200,
XX.			64(32)D4,(45)145(4(36))3,14	09	
	1,31,31,31,30,31,31,41,41,31,41	176	100 Mari 100 100 100 100 100 100 100 100 100 10		7,116,130,138,040,1644
	\$10 META 77.64.0, MT 38.30, M 1.30, Mt, M., M., M., Mt, Mt, M., M.	nor.	300, 312, 487, 033, 131, 105, 132, 132, 132, 131, 132, 131, 132, 131, 132, 132		\$\\ \begin{array}{cccccccccccccccccccccccccccccccccccc
27			45,169,4,362,4,566,6,33,144,	14	1400 1871 112,160,0,165,22
×		43	1162 EATA 88,000,183,166,140		
75	\$10 0478 153,17,17,17,17,17,17.		1,349,337,37,6537		1,100,177,251,32,117,112,3
	9,666	Q3	1192 8418 713,735,143,47,100	rx.	3420 EATA 231,32,717,1640
	0.500 610 0074 70,65,77,69,0,165,1 36,186,208,10,10,171,169,18, 161,07,1378	CD	1100 207A AT 106 375 A5 306		43,730,200,177,2368
4.6	\$50 0478 150 TO 138 102 150		37,305,305,76,50,307,147,471	83	1450 EATA 233, 112, 145, 251,
	0,388,8,74,242,605,563,A,164	34	100 101 11 11 12 12 12 12 12 12 12 12 12 12 12	14.	
70		ca.			
	233, 189, 2, 2234		HE SEASON CONTRACTOR	Ca.	1450 NATA 115, 330, 110, 0, 71
	213,133,163,62,204,160,68,16	DØ.	1199 acts 31, 32, 32, 32, 32, 32, 32,	Că.	
33	34, 106, 208, 10, 54, 17, 140, 16, 241, 17, 180, 241, 17, 180, 241, 17, 180, 17, 180, 180, 180, 180, 180, 180, 180, 180	41	163,163,163,183,183,183,183,183,		712.107.4.2003 1600 MATA 113.30 100.4.73 15.117.137.137.137.33 71.235.114 37.340 1600 MATA 27.540 1600 MATA
on		73	3,001,163,163,163,163,163,15,15,17,	(8	1570 Outs Ha, 214, 4, 128, 24
ν,	STATE OF THE STATE	34	1260 2023 35, 22, 12, 12, 12, 12, 12,		
30	\$10 DATE 41,75,67,0,13,27,17		2, 467 190 acts 32, 0, 30, 12, 12, 10, 10, 103, 104, 105, 104, 105, 104, 105, 105, 105, 105, 105, 105, 105, 105	24	1640 DETA 65,62,71,69,68,2 ,8,83,78,83,83,87,65,160,3
-				-	



50 00-1 PREED WELL PREEDS 48

OUTSE \*
10 JON EA - KULT ADDRESS
PO FOR A - 180 ADDRESS
W ON A - 180 ADDRESS TIPS FIS - FILE BAR MIRETON, SAUZISE FORE

# Cedit 64

A proverful character editor for C64 owners.

Rv Brion Rhodes

The CM company may have the Shahoy to use existences that you design years, however, while you design years, however, while you design your core character you and an ideal your core character you and an ideal of a choice CCDOT 60 as a powerful character of all of the choice of CDOT 60 as a book seed you will be company and shadow of the control of t

Getting It In

The program is presented in three sections. Type rate program is a separately and interest that it to be at a class. The program CRAR DO MAC. On the program CRAR DO MAC. On the program is the program in the stored on the case of the stored of the stored on the stored of the stored of the stored of the stored on the stored of the stored of the stored on the stored of the stored of the stored on the stored of the stored on the stored on

should be CHAR ED LOADER CHAR CODE (orner) by CHAR EE MAC LOAD) CHAR BASIC

CHAR BASIC

If you are using custout thee d
make sain then you make the change
to indicated with the langer

CREE EAVE More causer
SPACE Perforglet
E Pot injurie release
E Pot mic 64 in mic
sold only
E Pot mic 64 in mic
sold only
DELL Utilize as mic
sold
sold

BACK ARROW: Pragram (copy advance)

A Auto advance
W Windpressed see 

If Jump to chacue marker

Change gnd between sulf more sulfy and more control more and account modes. Owings between defined changes and standard.

chros.den. Bloc bookin-CBM sharnozz ser. Gera booder-Defined charsater ser. Revian Gain Harcround son swip. (Pop) Victoral son map (minor)

Vertical use map
(minor)
loveres
breed mode
Pit to life of unior
Pit to oght of
consor
Ense character
Home aware
Shap

Chiefer feel lines Chiefer relocers States Davis mess Beach manapolisz Prossi characters for Sereade paid mode The embloo file state to crospe for state to crospe

For Screen Prior Township and T

HOM CAN COMPANY OF THE COMPANY OF TH

# C64 PROGRAM

| The control of the

| 20 | CHAPT |

| 00 1994-001 TOSI-002 | EE P | 1 300 ACT OFF9998 | EE P | 1 300 ACT OFF999

122 CASS (MAN ) STANK (MAN ) ST

AND CHTCHS

AND CH

# C64 PROGRAM TO

DO 1000 - FETTING THE PRINTS

DOCUMENT OF THE PRINTS

CLAUSED SERVICES OF THE PRINTS

STANDARD SERVICES

(3 A-ASCUS) OA EJA-STANDELSHOOTI)-IDEDE (-LUTTHOOT, LUNICS) IJ FELET LUTT, CF | LUTTH = OFCENS UN IFA | THE NESS (7 | FA-SATHORS) (8 | FA-SATHORS) (9 | FA-SATHORS) AAANE-OR | 127 TERTH-CE-S

SIS SUGAR PRODUCTS, A

AT PERFERNICOMENT FILL AN AND PERFERNIC PRODUCT OF AND PERFERNIC PRODUCT PRODUCT OF AND PERFERNIC PRODUCT PRODUCT

TOO STAND THE ST HOLAS - T THER SO THE COMMENTS COURTS - FOR A THE PROPERTY OF THE PROPERTY - FOR A THE PROPERTY OF THE PROPERTY - FOR A THE PROPERTY OF THE PROPERTY - FOR A THE PROPERTY - THE PROPERTY - THE PROPERTY - FOR A THE PROPERTY - THE P

771 08-13040 | 342C EDAS " 19CB- P'POES[4-16040] LDCC FILL 772 FESTVALOR 773 18187788 [FORC] 60848 ACT A COLUMN TOWNS TO THE

ALE ". AL-" IDENTICO PILL )
ALE ". AL-" IDENTICO PILA
IDENTICO PILA
IDENTICO PILA
IDENTICO PILA
IDENTICO PILA
IDENTICO PILA
ILI ECULORO GG ANG AC
ILI ECULORO GG ANG AC
ILI PLANCIO PILO
ILI ECULORO GG ANG AC
ILI PLANCIO PILO
ILI

NAR) 03 900-01104 - 778-70011 0000-01104 - 778-70011 0000-0104 (4-q) - 7000-q,4-9 01-06(03) 000 A-0 1-0 F333T745"(00MG) 1 18727 70F 430 1 40006; 100 (F35-170386-306)4)

AND TRANSPERSIONS AND TRANSPER

# C64 PROGRAM

939 58383438 (DBMR) ESCS [18 6000 10-40-71-2231-X PE-FERS 1 A-O AND DISCOURSE

PERSON PERSON PROPERTY LINEAR PARTY LINEAR P

SON THE DOWN NAME

TRING PRINCIP PORTS, I

HOO FEIST SEAL TO THE CUTAL PARTY AND STONE HADDEN TO THE STONE SEAL PLINESS

## C64 PROGRAM

00.354507* 16. 9205 FRINT PARTS WINNERSON CO.D.	
ET SEED FORM-PRE PLANTS OF SE	
65 SEED TERROUTE PROPERTY OF STATE OF S	п
	Ι.
FO SOLD PRINCE [BOOK_BPCS] TORIS	
	П
M. SZIS PRINTP[SEED] TERRED IS 1029 FIRST INDEX, QUARTY NULL E, "(KIDNTS) (BIDNTS ONE) NO.	13
to both time command, said !-	
24 10/2 CELEBRIE	1
1, 875(8) 83 80829 839(17)	1
\$7 80000 I	1
FEOGRA CHAI SO N/C LOND	
10.00 200	
AL I RDS CONTRACTOR CONTRACTOR	2
	0
	1
	-51
T AS A RECT POR UNIT OF THE	
A1 * MEN * OF THE PROCESS	
OD S LEX CONSTRUCTION	10
FF 12 No. 83   34-50   34-6163	
THE TO THE U D SO IL CENT POR SHE	
SA-CASE-DIA PERT D	93
N REST A TE LO IZ THE PART OF	52
NI 36 2474 4.0.4.4.0.4.0.0.0.0.0.	-02
	30
7, 4, 164, 16, 17, 176, 176, 176, 176, 18, 18, 18, 18, 176, 176, 176, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	
5,30,213,233,40,150,255,461, 6,155,4,235	69
C3 10 1414 12,114,133,143,133,143,133,0	64
11 12 247 0, 31, 193, 132, 32, 46, 2	
71 *0 244 0, 12, 103, 132, 27, 45, 2 28,141,14,(62,4,160,46,50,16	11
M 200 MAIN 245-2-1502-43-349-150	
17,12,112,2048	177
	44
130 0415 3 134 149 14 149 149	
187-220,120,2387	26
164,263,136,206,131,360,193	12
11 de 1 d	CB
	-

44/41 45/40 X4-0 TX-0 CC-0 MH-0 45/40 X4-0 TX-0 CC-0 MH-0 45/40 X4-0 TX-0 CC-0 MH-0

(5.1) (1.1) (1.7) (1.1)

# I.C.P.U.G.

the Independent Commodore Products Users Group is the leggest and most friendly Computer Club in the country. Over 70 lead groups with regular constangs. Search Managhiller - 50 lets pages of money.

 Relp and Achees
 24 debts of mobile diament Armor software conflict by ICFLO's Mile Todal anadalis to creations an augily of debt and payment of pilly
 Discount Schome

\* Discount Schorus

Whi support all Connecolors Machines and and
new FET, VICOS, 64, 16 - 4, 128 and Amiga

Subscription only £10 per year [U.K.]
Juinty Fer and £1.00

a you are seminary wavespeed in Lyoung of programmand any Controlleder investment, the primary ICFUS is a reset!

For full details, said a stranger, addressed emoles ICFUS Monthership Secretary, 20, Enneaster See Herboury Fact, 100, Enneaster See Herboury Fact, 100, Enneaster See



SRAFFI 114 West Man Street Wildhoop

American St. Biol.

Commission St. Biol.

Commission St. Biol.

Commission St. Spinious

Biol. Spinious

Biol.

For a quick currentured seed



# Spanner in the Works

If you rely heavily on your computer for humans or lessure activities, then a breakdown can be infured by the are a few tips on simple fault fleding and repairs BH Milk Polery.

# The entire corps of Commodors Your Optionspoons are high stendards as

are at high steedards as revolutions and nelability he hardener in buth ap to a hoo either down to a presition on two of its respectaming ap any Commodiser of domain which with elegations which are the elega-

Deserver, they are usually the Frylance to produce produces when trivialing amount medicantees any year tempore. There can be above reasons for you neclearly follow and many asteriors. If your gisterwise has empore to your before with a betty full.

Hawarer, all in red loss. You cused by trace the case of a bentalows to one or more of the ICs. Replace the dry and the peopless is subveil. Pullowing a resplic check loss, cas more possible when it comes so repeate

Your Options
Integrity or replication op your Clie, plug everythin,

in the top of the exchange
then the power supply he
to the power supply

Going Inside

Furt, connect a tape-deck.

The next step or to chee

Hatt the LED power is supposite
in and in an and in a supposite that the December is a seed and the supposite that the supposit

The lose eith costs allew press.

In of the type 44%. M() one.

250 W It is beared or the uplit is

250 W It is beared or the uplit is

to be a second or the press.

The lose is beared or the uplit is

to be a second or th

a Coop resi

if the computer is just beh

If your video crowin is OK they

The problem here in this is in

Summing Up If the fault is more complex, you

Remire Trachine meli) MCE Senson Glys Spourer 13 Albert

Cupden Computer Cours. Don





97 PILTON PLACE (YCE KING AND QUEEN STREET WALWORTH LONDON SE17 108 AN OFFER TO COMMODORE USERS FROM ALLAN DATA

range. This was influring to a lambed must not of Chitaboothes constrain appearance in a second for producing their works you can come in sorting year come fraction created for common for their Codes and as area distribut contra montante de Perr Codenadore.

No distribut del mare unatas el mare complete de propriemen se para tiliga porepresente el ser purificar incomo aucido este mestigo a este ministratorio del contratorio del contratorio

For fuel details send a first close S.A.E. 10 A D'Brien, 1 Lorn Road, Durbeg, Connet, Argyll PA37 10G. Tet: 0021 62923 10em - 2pm, Tues - Thurs

DIECOUNT SOFTWARE

VIC-20/CRM-64 ANY NELEABORS IN THICE IS TOT SINGLAGE OF SEASONS OF CONTROL AND CON Besselve State State

20,923 Printers include CRM1/F & P.R.U. All prices include VAT Post \$3.00 exten Ves Carrie testamed Chaques OK after resignation Phone Orders 0753 888888 E.E.C. LTD. 77A Packhorse

COMMODORY DE Secretary for their party to pro-OHD NEVT - Labour of the labour of the

SPECIAL OFFER

PRINTER CLEARANCE

WHILE STOCKS LAST

DEADLINE -28TH APRIL FOR JULY

# Repairs ODECIALIST COMMODODE DEPAIDS Guide CALL I. Baleman Specialist Computer Repairs NICOLA BATY COMPUTER REPAIRS 01-437 0699 MICROMEND The Old School, Hain Street, Fercet, Potest



Communities francis by Commonics Approx G.C. BUNCE & SON 14-17 Eastern Baplanade Tel: (05255) 51595 Tet: (0702) 53377/6

FAST COMPUTER FOR ALL GENUINE REPAIR CENTRE -LONDON

PROMPT ELECTRONICS

COMMODORE SDABES 4 REPAIRS relephone for more details (Amesbury) 0980 24599 CLASSIFICATION APPROPRIATE TO THE PROPERTY OF THE PROPERTY OF

STOP

PLAYING CAMES

TOTAL COMMENTS OF THE PROPERTY OF THE PROPERTY

CONTINUES OF THE PARTY OF THE P

The Section of the Se

A 6000 Planter of profes form fort cut. PS 1161 Billywest 2s 1710

Please diplot my Adversor Text Security Cons Expression of the Constitution of the Co

COMMODORE

Prints the ECCC CAPTRILS and review pod custor.

Deprise Tel No

NEW BOOKS FOR THE CS4 AND C126 GEOS INSIDE AND OUT

C-126 CASIC T.O INTERNALS

C-126 CASIC T.O INTER

EDUCATIONAL SOFTWARE
CORDL — 64 and COROL — 198

HIGHER MATHEMATICS

SUPER PASCA.

SU

ACCOUNTS & PAYROLL
ACCOUNTS SOFTWARE — 10 auth vinous
applications from 200 + VAT to £150 + VAT
including invoccing to your own deplication,
sales ledger, stock control, purchase and
nominal ledgers

Including invectors to your own designs assess lodger, sock control, purchase are nominel ledgers.

PAYROLL SOTTWARE — E89 + WAT including SSP, SMP and new NJ risks only to be and very comprehensive only to be and very comprehensive only to be and very comprehensive only to be a second or to be a se

# E. A. SOFTWARE

Dept YC, 62 High Street, Evesham, Worcs WR11 4HG Tel: 0386 49339 W construction as that our C64 Letter will nock on tape and threefore the table as hour order to the as boar order to the a

soar order to the address on Softmark far Sale page. Also in relation to Software Sale, plane consequent that all take and types see risk socialized back as blanch 1886. Just look ap order code in a back mass of 1 Community and lead it from Ress Services department, thay's da-

# Diskit I, 2 and 3

enther that this is vow difficult in describe and therefore of now want is clear copy of the artist plates were to the obtain address which you will find it like hotions of the page and we will send you a photocopy as soon as probable.

Also not have brand that some steers of Tow Commoders had bad

Wo'd like to remark our another than

# copy of this for

a have roped to one of and dopter much checks and get all times, then sen

New copus of your pagesses certs this. A description of your peobless if people's hinter of your work may count that) A samped self-addressed analog others of the mountain to you

Should any of the above be manage on we will not be able to deal work on early any agency. We will fire to a pours our whose you me made excess and philes a composite of the pourse of the pourse of the pourse of the pourse of the before the pourse of the

# omerstatisficae

Congratulations

Our Fehrunty ome give 10 hole freeless the chance to wan a super fix Konin Speed King jophak The Copyaled ferrieser executed grap and at reponde as feet class The 10 senses is who will not doubt by a spragnor but recess are: Into Bhatchings, Coving Michael Statishin Desirable, Coving Michael Statishing Michael Statishing Coving Michael Statishing Michael Stat

Swasser Mr Derek Rufferty, Princhungh, D.R. Black, Torrington, C. Tisham, Notiongher, Sandare Entraco, Abardess, Nasholas Lougram, Marclesfold, Darren Jollick, Warmanner Daise, Decor, Baltyces

# er Congratalistics

The Jimson's good the difference compensions for sear laters capacing concentration of the compensions of the part The Colorests States Castling, Service, Marille Later, Paul Gerham, On Tysser, Mill T. & McGoulley, Bentry, Mr. Texti, Londen, Paul Gerham, On Tysser, Mill T. & McGoulley, Bentry, Mr. Carlo Baddy, Saveties, Danci States, Carlo Baddy, Saveties, Danci States, Carlo Miller, McGoulley, Bentry, Mr. T. Levis, Bandford, John States, Mr. Saveties, Dancie States, Mr. Saveties, Dancie States, Mr. Saveties, Dancie States, Mr. Saveties, Mr. Saveti

An almost the second of the convertible of the conv

Age of Scoticida Publications a counter Educação Actorismos Collect. Terror Communicat. Es-Goldon Branco. Landon FLE 2008. Computente pli AC 1998 Tolono. Billador. Billiancia de cultur april application to Tolon Communicat. Educação dos Deplementos, Estima LAS. Televa Billiancia. Til The MacParini Billianci. May actual, Mart HF 1100.

List, There is sure, 1976 to the control of the con

ABC

**PLAN YOUR OWN EASTER** PORTS PROGRAMME!



# The R.R.P. of these 3 products is normally £19.89!



The Tube - CBM 64, Spectrum

Flease send me The Sports Collection to \$9.95 (REP Dwe Commodore 64 □ Spectrum 48 □ Amstrad CPC 666

ChequesPO to Arrain News Software Victory House, Levester Place, London WC2H 7NB

Credit Card Hotime: 01-439 06 Sticke abov 20 days for deliveryd. Jumped availablest

# You won't find these programs in the top ten!



copies and yet provided bear each fault or the dealer in why?

We produce acquisition from yet commany yet your teach that from the service is sufficient to the produce acquisition from the condition of the service from the condition from the condition to the service is sufficient to the service of the service of the service from the service of the service from the service of the service from the service of the service of

with machine records which make decay to write machine code programe. Programs the MUSIC MASSES which have your compacts for substitution and programs like the BATTZ complex which wides codewly. ANDIE or programs for much mach takes. We have been writing programs for commodern composes along 1935, and new have handlings of consistent for the

Brokens our programs asset are war worklers here todayand gains before Programs we released for the 54 to 7 are still noting — and ever ware sing last, the propie who bought them to

money deserribe class; the principal, the more you put limits in personne, the man you housing set can't did, and there is man you should get can't did, and there is man to your should set the country of works with problems from SUPERSOFT. The pumpiness better don't not comple suit, you and you have been from you put you ways go can't pill a life for it you put out on ways go can't pill a life for it you put out on ways go can't pill a life for it you put out on ways go can't pill a life for it you put you or ways go can't pill a life for you put you can pay you can't pill you can pay you can't you you want you want

RUPEROFT, Windhester House, Cenning Road, Westhblier, Royrie Middleses (42.3 Tp.) Temphorae \$1.661 1166

SHEEDING AND

Dakesia Mikra Sasanishler Turko Disk Pista Yosi Daving Test Sasanishler Pista Sasanishler Pista Sasanishler Pista Sasanishler Pista Sasanishler Pista Sasanishler Pista Vallati Pista Sasanishler 190 Pista Sasanishler 190 Pista Sasanishler 190 Pista Sasanishler 190 Pista Sasanishler

ett Compairé
SP Plus light de rem
Inip GA/TIS nivindge
et C15 and Plusia
mitro 15
metrical Designar
see Musical
see Musical
12 50: 1
bod Parison
12 50: 1

Flavifile 2 1 Bureau Barrele 3 For Commodere Arrig MICE for Arriga

42.15

# OMMC hese programs op ten!

PLUS/4 AND C64 CHARACTER MACHINE CODE 25 C64 GAN